MILLER CONSTRUCTION, INC.

P.O. BOX 86 ASCUTNEY BLVD WINDSOR, VERMONT 05089-0086 TELEPHONE (802) 674-5525 / FAX (802) 674-5245

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BY: Tail Mun

Girder G1 & G7 Constructability Computations

VT Rte 30 over Ball Mountain Brook Jamaica, Vermont

CEE 053-br-13



Prepared for:

Structal

By: Calderwood Engineering etc July 22nd, 2013

Cover Photo: Vt Rte 30 over Ball Mtn Brook Courtesy of Miller Construction & VTrans



Structal Attn: John Hand 386 River Road Claremont, New Hampshire 03743

Date: July 21st, 2013

RE: Constructability Chk of G7 & G1 for Jamaica Vermont Rte 30 over Ball Mtn Brook

To whom it may concern,

This Letter is being written to serve as an executive summary for this calculation package, it contains a brief explanation of the analysis and assumptions made, as well as Calderwood Engineering's recommendations for this bridge.

According to Non Conformance Reports, hereinafter NCR, Girder G1 was fabricated with flanges 1/8" narrower than design plans and shop detail plans call for. Also according to NCR, Girder G7 was fabricated with a short section of top flange approximately 5/16" too narrow. These non-conformances were apparently not recognized until the final inspection. Girders have since been erected in the field.

Calculations were provided to Calderwood Engineering by Structal showing section properties of the girders as fabricated. These calculations show the use of a top flange of 1.25" thickness & a bottom flange of 2.25" thickness for each of the girders which we feel is in error. If in fact girder G1 was fabricated with thicker flanges than the design plans indicate then the following calculations are mute, however it would be prudent at that point to revisit bottom of slab elevations prior to forming the deck because the girders will be significantly stiffer than anticipated at design. That said Calderwood Engineering anticipates those computations were performed rapidly and simply wrong flange thicknesses were chosen in reality the ratio of moment of inertia to moment of inertia should have been 31,381.08/31,548.97 for G1 which is still ~ 0.994.

Calderwood Engineering developed a RISA 3d model of the girders, for this model the properties of Girder G7 were assumed to be compromised for it's full length whereas it is in reality only compromised at the field splice location. Loads were added to represent the dead load self weight of the steel and the fluid load of the concrete deck. The unit weight for concrete used was 150 pcf. Additionally in order to conservatively represent construction loading an additional load of 50 psf was added to the deck area, and factored as a live load. Resulting flexural moments were then compared to hand calculations of the capacity of the girders. A lateral flange bending stress was added to resist the overhang forming and fluid load. The lateral flange bending stress is relatively small which is expected due to the very small overhangs, and the close diaphragm spacing. The stresses anticipated within the steel due to the deck placement are within acceptable parameters per AASHTO LRFD Bridge Design Specifications section 6.10.3 & referenced sections. Constructability was checked at both the Strength I and the Strength IV limit states. The tension flange for Girder G1 was also checked, and found to be within acceptable parameters. Because the concrete deck will act as a giant diaphragm and will become a huge component of the compression flange and because the deviation in width is in such an isolated



location on Girder G7 not adjacent to the location of Maximum moment we do not anticipate a significan loss of capacity to the bridge at its strength limit state due to Girder G7. Because Girder G1 is the lightest loaded girder and rely's heavily on all the other girders to support it's loads, and because the flange width deviation is so small we do not anticipate a significant deviation from the load carrying capacity of the bridge due to Girder G1's flanges.

It is Calderwood Engineering's professional opinion that the girders should be left in place as is and that no further remedy is required and the bridge will perform as originally intended. That said, if VTrans has concerns regarding the load rating and the capacity of the bridge in service, perhaps it would be sensible to consider shoring either Girder G7 or also Girder G1 during the deck placement. Although it is not recommended to shore the girders, should that be the desired option then new bottom of slab elevations should be calculated, reflecting the shoring, also it should be noted on as built plans and perhaps on the load rating that the girders were shored during construction of the deck, such that future design engineers and maintenance operations will consider that.

Should you have any questions or concerns regarding our analysis or recommendations, please do not hesitate to contact us directly.

Eric T. Calderwood, P.E.

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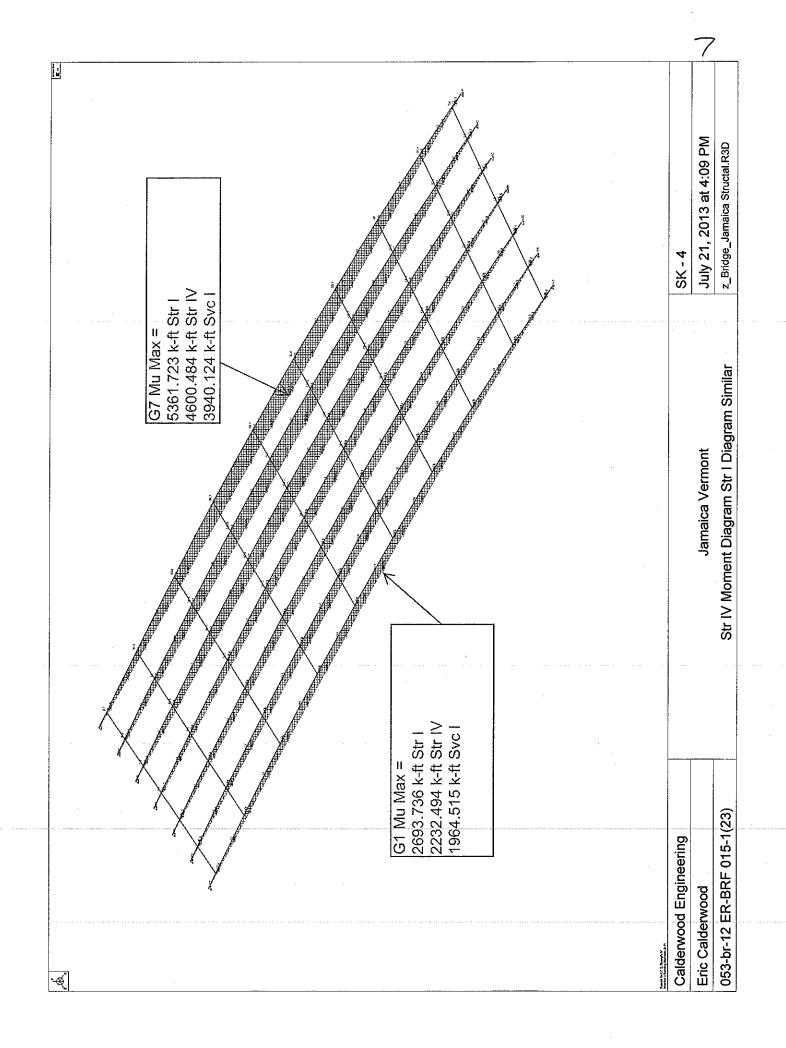
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		SCALE	
LATTRAL	FLANICE BE	NDING MOMENTS	
IN G7		WHAR CARRETS	
1'3			
1 210	+		
W/ DIAPHRI	AGM SPACING	± 15 St	
7			
$= \omega l$	/10		
	+	7	
= 0.06 K	1 = 1 1 5 5	1/10 = 1.35 1	
	147 7 13 25 7	/ 10 10	<u> </u>
= 16.2 K	IN (MAX @	DIAPHRAGM LOCAL	MONS)
LATERAL	72		
	FLANGE O	ENDING MOMEN	75
IN GI			
		-	
	K/LF * 14.22 9.	[] /10 = 1.4	2 K-FT
= 17.0 k-	111	DIAPHRAGM LO	
	1 / MT ^ (2)	VIHTHICHOIN LO	CATIONS
	 		
a STR.	上 に し に し に に に に に に に に に に に に に に に		
G7	LATERAL = 1.2	5 * 16 2 K- IN = E	20 DE K-101
	LAILERGE	3 * 16 ''v	3,E2 1, 1,A
GIII	LATERAL = 1.2	5 * 17.0 k-IN = E	11.25 K-W
O STR IV			
G7 LA	TERAL = 1.5 * 1	6.Z = 24.30 K-11	J
		17:0 = 25.50 = 4	



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CALCULATED BY ETC	DATE 7/2013
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	SCALE							
V WEB SCENDERUB	55							
6,10,6,2,3								
210.2.4	FROM PG.1 FOR G7							
2 Dc 2 (30,85,1N	- 1.25 W) = 118.4							
	T29000							
K, -0	= 5.7 V 50KSU =	137.27						
SLENDERNESS LIMIT	- J. J. J. J. J. J. J. J. J. J. J. J. J.							
		G7						
web is	NON-SCONDERZ FOR	<u> </u>						
2 (26.82 m + 1.0 in)								
	103.28 ≤ 137.27	. \						
0-5								
WEB FOR GI	15 ALSO NON-	SLENDER						
V CONSTRUCTABILITY	6,10,3,2 FLE	EXURE						
		7 7 7						
	~ 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
57RIS, G7 = 20	0.25 K-IN (9.6875,N)	* 1.25 m/G						
		/ ~ 1						
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	251 KSC (67 STR. I)	1						
	1.5							
S = 0.251	$\frac{1.5}{1.25} = 0.301 \text{ Ksi} (G7)$	STR IX						
	1ksi x /125 = 0.201 k	(i) / SVC. T)						
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JOB 053-BR-13	3 JAMAICA
SHEET NO. 14	of 16
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FCRW =		Fy = Fyw/0.7	
	$\left(\frac{D}{\epsilon_{w}}\right)^{2} = \Lambda_{h}$	1 4c 1 4m/2-1	
	k = / , z		
W/	$k = \frac{1}{\sqrt{D_c}} \frac{z}{\sqrt{D}}$		
	(PC/V)		
For C	SIRDER GI I	C = 26.82 N - 1.01	V = 25.821N
FOR	GIRDER G7 D	c = 30.85 14 + 1.251	1 = 28.75 N
	4/	John A / C	, \
K = 1	(25.82"/48")	* 31.104 (FOR G	
k =	1/2025/1001 =	25.09 (FOR (1 7)
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FCRW =			
	(48/0.5)		
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		C7 & G1	



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z_Bridge_Jamaica Structal.R3D

Loading Diagram - Nodes & members shown Isometric

053-br-12 ER-BRF 015-1(23)

Calderwood Engineering

Eric Calderwood

Jamaica Vermont

- da.

JT. DEFL.

SVC. I W/O

50 PSF LIVE LOAD

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:26 PM Checked By:

NLDC FLEETON + SLAPS GT)

Joint Defle	ections (B	y Con	<u>nbinat</u>	tion) / 1	6. (310 61	P	
LC 1 5	Joint Label	X [in] 0	Y [in]	/ <u>Z [in]</u> 0	X Rotation [rad] -1.839e-3	Y Rotation [rad]	Z Rotation [rad] -1.577e-2
2 5	N2	0	582	0	-1.835 <u>e-3</u>	0	-1.573e-2
3 5	N3	0	-1.733		-5.29e-3	0	-1.51e-2
4 5	N4	0	-2.845		-3.19e-3	0	-1:462e-2
5 5	N5	0	-4.148	0	-1.372e-2	0	-1.273e-2
6 5	N6	0	-5.313		-4.622e-3	0	-1,167e-2
7 5	N7	0	-6.313	0	-1.949e-2	0	-9.096e-3
8 5	N8	0	-7.112		-5.65e-3	0	-7.441e-3
9 5	N9	0	-7.698		-2.303e-2	0	-4.66e-3
10 5	N10	0	-8.044		-6.18e-3	0 -	-2.441e-3
11 5	N11		-8.153		-2.417e-2	0	1.718e-4
12 5	N12	0	-8.009		-6.16e-3	0	2.806e-3
13 5	N13	0	-7.63	0	-2.286e-2	0	4.99e-3
14 5	N14	0	-7.012		-5.592e-3	0	7.769e-3
15 5	N15	0	-6.185		-1.916e-2	0	9.382e-3
16 5	N16	0	- <u>5.158</u>		-4.533 <u>e-3</u>	0	1.193e-2 1.294e-2
17 5	N17	0	-3.973		-1.324e-2	0	
18 5	N18	0	-2.653		-3.075e-3	0	1.477e-2 1.52e-2
19 5	N19	0	-1.633	0	-4.64e-3	0 0	1.573e-2
20 5	N20	0	582	0	-1.833e-3		1.577e-2
21 5	N21	0	0	0	-1.837e-3	0 0	-1.505e-2
22 5	N22	0	0_	0	-1.762e-3 -1.758e-3	0	-1.5e-2
23 5	N23	0	55	0	-1.756e-3 -5.768e-3	0	-1.435e-2
24 5	N24	0	-1.638		-3.766e-3	0	-1.394e-2
25 5	N25	0	-2.689 -3.92	0	-3.062e-3 -1.553e-2	0	-1.197e-2
26 5	N26 N27	0	-5.92 -5.018		-4.482e-3	0	-1.111e-2
27 5 28 5	N27	0	-5.962		-2.208e-2	0	-8.509e-3
	N29	0	-6.714		-5.491e-3	0	-7.074e-3
29 5 30 5	N30	_ 0	-7.267	0	-2.607e-2	Ŏ	-4.346e-3
31 5	N31_	0	-7.591		-6.014e-3	0	-2.319e-3
32 5	N32	0	-7.695		-2.736e-2	0.5	1:6e-4
33 5	N33	0	-7.559		-5.995e-3	0	2.666e-3
34 5	N34	Ö	-7.203		-2.588e-2	Ö	4.654e-3
35 5	N35	0	-6.62	0	-5.435e-3	0	7.386e-3
36 5	N36	ŏ	-5.841		-2.17e-2	0	8.78e-3
37 5	N37	0	-4.872		-4.394e-3	0	1.135e-2
38 5	N38	Ŏ.	-3.754		-1.498e-2	0	1.218e-2
39 5	N39	0	-2.508		-2.971e-3	0	1.408e-2
40 5	N40	0			-5.001e-3	0	1.445e-2
41 5	N41	0	55	0	-1.757e-3	0	1.5e-2
42 5	N42	0	0	0	-1.761e-3	0	1.504e-2
43 5	N43	0_	0	0	-1.685e-3	0	-1.432e-2
44 5	N44	0	- 52	0	-1.682e-3	Q	-1.428e-2
45 5	N45	0	-1.546		-5.541e-3	0	-1.365e-2
46 5	N46	0	-2.537		-2,971e-3	0	-1.326e-2
47 5	N47	0	-3.698		-1.489e-2	0	-1.137e-2
48 5	N48	0	-4.733		-4.333e-3	0	-1.055e-2
49 5	N49	0	-5.622		-2.11e-2	0	-8.072e-3
50 5	N50	<u>0</u>	-6.329		-5.32e-3	0	-6.708e-3
51 5	N51	0	-6.849		-2.485e-2	0	-4.119e-3
52 5	N52	0	-7.154		-5.831e-3	0	-2.197e-3
53 5	N53	0	-7.252		-2.606e-2	0	1.515e-4 2.526e-3
54 5	N54	0	-7.123	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-5.812e-3	0	4.411e-3
55 5	N55	0	-6.789		-2.467e-2	0	7.004e-3
56 5	N56	0	-6.24	peace special Usage series	-5.265e-3	Periodogogogogogogogogogogogogogogogogogogo	I manufacture the reserve to the Compact of the Com

RISA-3D Version 9.0.0

: Calderwood Engineering: Eric Calderwood: 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:26 PM Checked By:

<u> Joint Defle</u>	ctions (B	<u>y Con</u>	<u>ıbinat</u>	<u>ion) (Continue</u>	ed)		
LC	Joint Label	X [in]	Y [in]	Z [in]	X Rotation [rad]	Y Rotation [rad]	Z Rotation [rad]
57 5	N57	0	-5.508	0	-2.074e-2	0	8.329e-3
58 5	N58		-4 .596		-4.248e-3	0	1.078e-2
	N59	0	-3.542		-1.437e-2	0	1.157e-2
		ŏ	-3.342 -2.367	o o	-2.863e-3	Ö	1.339e-2
	N60		-2.367 -1.457	0	-4.805e-3	0	1.375e-2
61 5	N61	0		o o o	-1.681e-3	Ŏ	1.428e-2
62 5	N62		519		-1.685e-3	0	1.432e-2
63 5	N63	0	0	<u>0</u> 0		0	-1.368e-2
64 5	N64	0	0		-1.622e-3		-1.365e-2
65 5	N65	0	49	0	-1.619e-3	0	-1.274e-2
66 5	N66	0	-1.458		-8.959e-3		-1.266e-2
67 5	N67	0	-2.39	0	-2.896e-3	0	
68 5	N68	0	-3.486		-2.668e-2	0	-1.007e-2
69 5	N69	0	-4.456	0	-4.241e-3	0	-1.005e-2
70 5	N70	0	-5.296		-3.786e-2	0	-6.952e-3
71 5	N71	0	-5.955		-5.212e-3	0	-6.376e-3
72 5	N72	0	-6.448	0	-4.454e-2	0	-3.494e-3
73 5	N73	0	-6.728	0	-5.715e-3	0	-2.087e-3
74 5	N74	0	-6.826	0	-4.667e-2	0	1.277e-4
75 5	N75	0	-6.7	0	-5.696e-3	0	2.398e-3
76 5	N76	0	-6.391	0	-4.422e-2	0	3.744e-3
77 5	N77	0	-5.872		-5.158e-3	0	6.658e-3
78 - 5 ±	N78	0 .	-5.188		-3.723e-2	0	7.184e-3
79 5	N79	0	-4.327		-4.157e-3	0	1.027e-2
80 5	N80	Ŏ	-3.34	0	-2.573e-2	0	1.027e-2
81 5	N81	0	-2.23	0	-2.791e-3	0	1.279e-2
82 5	N82	ő	-1.373		-7.486e-3	0	1.289e-2
83 5	N83	0	489	0	-1.618e-3	0	1.364e-2
84 5	N84	0	0	e a o o o o o o o o o o o o o o o o o o	-1.622e-3	0.00	1.368e-2
	N85	0	0	0	-1.563e-3	0	-1.295e-2
85 5 86 5	N86	0	46	Ö	-1.56e-3	- ŏ	-1.292e-2
			40 -1.368		-8.602e-3	0	-1.205e-2
87 5	N87	0			-2.872e-3	ŏ	-1.197e-2
88 5	N88		-2.243		-2.55e-2	0	-9.507e-3
89 5	N89	0	-3.271	0	-4.246e-3	0.0	-9.48e-3
90 5	N90	Ŏ	-4.179			0	-6.5 <u>53</u> e-3
91 5	N91	0	-4.965		-3.607e-2	Ö	-6.008e-3
92 5	N92	0	<u>-5.582</u>		-5.229e-3	· 	-3.291e-3
93 5	N93	0	-6.043		-4.232e-2	0	-3.2916-3 -1.965e-3
94 5	N94	0	-6.305		-5.735e-3		
95 5	N95	0	-6.396		-4.43e-2	0	1.202e-4
96 5	N96	0		0		0	2.258e-3
97 5	N97	0	-5.99	0	-4.202e-2	0	3.526e-3
98 5	N98	0	-5.504		-5.174e-3	0	6.275e-3
99 5	N99	0	-4.865		-3.547e-2	0	6.772e-3
100 5	N100	0 =	-4.058		-4.161e-3	0	9.692e-3
101 5	N101	0	-3.133		-2.46e-2	0	9,699e-3
102 5	N102	0 :	-2.093	0	-2.764e-3	0	1.209e-2
103 5	N103	0	-1.289	0	-7.193e-3	0	1.22e-2
104 5	N104	0.	459	0	-1.559e-3	0	1.291e-2
105 5	N105	0	0	0	-1.562e-3	0	1.295e-2
106 5	N106	0	0	0	-1.506e-3	0	-1.218e-2
107 5	N107	0	429	0	-1.503e-3	0	-1.215e-2
108 5	N108	ŏ	-1.276		-8.212e-3	0	-1.132e-2
109 5	N109	Ö	-2.092		-2.87e-3	0	-1.125e-2
110 5	N110	Ŏ	-3.05		-2.424e-2	0	-8.924e-3
111 5	N111	0	-3.897		-4.295e-3	0	-8.896e-3
112 5	N112	0	-4.629		-3.423e-2	0	-6.143e-3
	N112 N113	0	-5.203		-5.307e-3	0	-5.632e-3
113 5	INIIO		<u> -0.203</u>	Y	-0.0016-0		0.0000

Company Designer

: Calderwood Engineering : Eric Calderwood

: 053-br-12 ER-BRF 015-1(23) Job Number

Jamaica Vermont

July 21, 2013 1:26 PM Checked By:

<u> Joint Deflections (By Combination) (Continued)</u>

Joint Deile	<u> CUOIIS (P</u>	<u>y Combination</u>	/ Oomana	<i>,</i> , , , , , , , , , , , , , , , , , ,		The Control
LC	Joint Label	X [in] Y [in]	Z [in]	X Rotation [rad]	Y Rotation [rad]	Z Rotation [rad]
114 5	N114	0 -5.633	0 0	-4.01e-2	0	-3,083e-3
115 5	N115	0 -5.877	0	-5.826e-3	0	-1.841e-3
116 5	N116	0 -5.961	0	-4.196e-2	0	1,125e-4
	N117	0 -5.852	0	-5.807e-3	0	2.116e-3
	N118	0 -5.583	0	-3.982e-2	0	3.303e-3
	N119	0 -5.131	0	-5.251e-3	0	5.882e-3
119 5		0 -4.536	Ŏ O	-3.367e-2	0	6.349e-3
120 5	N120	0 -3.784	0	-4.207e-3	0	9.096e-3
121 5	N121	0 -3.704	Ö	-2.339e-2	0	9.105e-3
122 5	N122		0	-2.756e-3	0	1.137e-2
123 5	N123	0 -1.952 0 -1.202	0	-6.877e-3	0	1.147e-2
124 5	N124		0	-1.502e-3	0 _	1.215e-2
125 5	N125	0429	0	-1.505e-3	0	1.218e-2
126 5	N126	0 0	0	-1.443e-3	0	-1.138e-2
127 5	N127	0 0	0	-1.44e-3	0	-1.135e-2
128 5	N128	0397		-7.772 <u>e-3</u>	0	-1.057e-2
129 5	N129	0 -1.182	0	-7.7726-3 -2.853e-3	Ď	-1.049e-2
130 5	N130	0 -1.937	0	-2.288e-2	0	-8.321e-3
131 5	N131	0 -2.824	0	-2.200e-2 -4.329e-3	Ŏ	-8.293e-3
132 5	N132	0 -3.607	0	-3.229e-2	0	-5.722e-3
133 5	N133	0 -4.285	0		0	-5.245e-3
134 5	N134	0 -4.816	<u> 0</u>	-5.374e-3	0	-2.87e-3
135 5	N135	0 -5.214	0	-3.781e-2	0	-1,713e-3
136 5	N136	0 -5.439	0	- <u>5.909e-3</u>	E. 1157-11-11-11-11-11-11-11-11-11-11-11-11-11	1.046e-4
137 5	N137	0 (-5.518)	0	-3.955e-2	0	1.969e-3
138 5	N138	0 -5.416	<u> \ </u>	- <u>5.889e-3</u>		3.075e-3
139 5	N139	0 -5.168	0	-3.755e-2	0	5.478e-3
140 5	N140	0 -4.75	0	- <u>5.316e-3</u>	0	5.914e-3
141 5	N141	0 -4.199	0	-3.177e-2	0	8.479e-3
142 5	N142	0 -3.504	/ 0	-4.2 <u>38e-3</u>	<u> </u>	8.491e-3
143 5	N143	0 -2.705	_/_0	-2.207e-2	0	1.061e-2
144 5	N144	0 -1.807	/ 0	-2.736e-3	0	1.07e-2
145 5	N145	0 -1.113 /	0	-6.523e-3	0	1.07e-2 1.135e-2
146 5	N146	0397	0	-1.439e-3	0	1,135e-2 1,138e-2
147 5	N147	0 0 /_	0	-1.442e-3	0	1.1308-2

STR I

: Calderwood Engineering : Eric Calderwood

053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

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Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot [k-ft/rad]	Footing
1	N1	Reaction	Reaction	Reaction				and the Section of America
2	N22	Reaction	Reaction	Reaction				
3	N43	Reaction	Reaction	Reaction			Land Control Solver St.	1977 OF TANK VOLUMES OF THE VOL
4	N64	Reaction	Reaction	Reaction			1965 (4976) 15 56	
5	N85	Reaction	Reaction	Reaction		100000000000000000000000000000000000000		a de la companya de la companya de la companya de la companya de la companya de la companya de la companya de
6	N106	Reaction	Reaction	Reaction		· 的复数 18 图86.35	A SECURIAL SERVICES	2008/2008 CENTER
7	N127	Reaction	Reaction	Reaction			1	Country Present 67 / 2 Prof.
8	N21	Reaction	Reaction	Reaction				
9	N42	Reaction	Reaction	Reaction	2000	1 CO 1 CO 1 CO 1 CO 1 CO 1 CO 1 CO 1 CO		over memorial section SE
10	N63	Reaction	Reaction	Reaction		FEORES (AMERICA)		Property and the second
11	N84	Reaction	Reaction	Reaction				i den an anna anna ann an ann an ann an an a
12	N105	Reaction	Reaction _	Reaction		1203222755529155555	TOTAL SOCIETY STREET	24 P. S. S. S. S. S. S. S. S. S. S. S. S. S.
13	N126	Reaction	Reaction	Reaction			<u> </u>	
14	N147	Reaction	Reaction	Reaction			9.5.04.0505 9 86.60	The Control of Street

Member Section Forces (By Combination)

MICI		er Secuoli		Axial[k]		z Shear[k]	Torquelk-ftl	y-y Moment	z-z Moment[k-ft]
1	1 <u>1</u>	Member Label M1	Sec.	Axiai[K]	1.401	2 <u>3 (16 a (14)</u>	-5.459	0	9.398
2		IVI I	2	Ŏ	1.401	Ö	-5.459	0	7.21
3	# 3650 c -	30 A March 1950 Profit Co. 1968	3	0	1.401	0	-5.459	0	5.021
4	1 3000		4	0.5	1.401	Ō	-5.459	0	2.833
5	6 SCSS	Age - Boy of Becount Not all and	5	0	1.401	0	-5.459	0	.644
6	11	M2	- 1 - S	0	1.503	O O	-5.477	0	9.187
7	3212	A STATE OF THE STA	2	0	1.503	0	-5.477	0	6.839
8	1 335	4.2 37 E-4.5	3	0	1.503	0	-5.477	0	4.491
9			4	0	1.503	0	-5.477	0	2.143
10		13 C. S. S. C. C. C. (1)	5	0.0	1:503	0	-5.477	0	-206
11	1	M3	1	0	2.095	0	-4.743	0	8.139
12			2	0	2.095	0	-4.743	0	4:866
13	-		3	0	2.095	0	-4.743	0	1.592
14	(S (S		4	⊹ 0 ः	2.095	:-	-4.743	0	-1.682
15	1		5	0	2.095	0	-4.743	0	-4.956
16	1	M4	1	∵ 0	1.445	0	-5.597	0	48
17			2	0	1.445	00	-5. <u>597</u>	0	-1.778
18	V Sic	2002	3	0	1.445	0	-5.597	0	-4:036
19			4	0	1.445	0	-5.597	0	-6.294
20	1.00		5	0 %	1.445	0	-5.597	0	-8.552
21	1	M5	1	0	.91	0	-5.926	0	-3.271
22			2	0	.91	0	-5.926	0	-4.692
23			3	0	.91	00	-5.926	<u> </u>	-6.114
24	8 46 E		4	0	91	. 0	-5.926	0	7.536
25			5	0	.91	0	-5.926	0	-8.958
26	1	M6	1	0	.15	2 0	-6. <u>255</u>	F 0 5 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-3.875
27			2	0	.15	0	-6.255	0	-4.11
28			3	0	.15	0	-6,255	0	-4 .345
29			4	0	.15	0	-6,2 <u>55</u>	0	-4.58
30	y M		5	0	.15	3 8 8 0 1 1 1 1	-6 <u>.255</u>	0	-4.815
31	1	M7	1	0	5.097	0	-5.195	0	39.792
32	7.7		2	0	5.097		-5.195	0	31.828
33			3	0	5.097	0	-5.1 <u>95</u>	0	23.863
_34			4	0	5.097		-5.1 <u>95</u>	0	15.899 7.935
35			5	0	5.097	0	-5.195	0	7.935 44.8
36	1	M8	23.24	0	6.816	Ŏ	-5.203	0	34.149
37			2	0	6.816	0	-5.203	0	23.498
38	\$ \$ \$		3	0	6.816	0	-5.203	<u> </u>	

: Calderwood Engineering : Eric Calderwood

053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:20 PM Checked By:

1.0	<u>Membe</u>	er Section	<u>Forces (E</u>	sy Con	<u>nbinat</u>	<u>ion) (Cont</u>	inuea)		
1988	I C	Member Label	Sec	Axial[k]	v Shea	z Shear[k]		y-y Moment	z-z Moment[k-ft]
40		Wichibor Educi			6.816		-5.203	0	
Main							-5.203	0	
1		MO	1			0		0	
A		IVIO	2					0	23.137
1								0	8.219
45		100000000000000000000000000000000000000							-6.7
46		Section of the second section of the second							
47		1 Com Visia alle Andrille) 28-28-2 4 (18-8)						
48		M10							
49 4 0 0.615 0 5.284 0 -28.149 50 5 0 0.615 0 -5.284 0 -38.485 50 1 1 M11 1 0 3.876 0 -5.555 0 -14.879 52 2 0 3.876 0 -5.555 0 -28.991 54 4 0 3.876 0 -5.555 0 -23.991 54 4 0 3.876 0 -5.555 0 -3.39.102 56 5 0 3.876 0 -5.555 0 -3.99.102 56 6 0 3.876 0 -5.555 0 -3.99.102 56 5 0 3.876 0 -5.829 0 -16.586 57 2 0 748 0 -5.829 0 -18.894 59 4 0 748 0		1 v Deser v C3 . e0 . sec.				V			
1									
51 1 M11 1 0 3.876 0 -5.555 0 -20.935 52 2 0 3.876 0 -5.555 0 20.935 53 3 0 3.876 0 -5.555 0 23.946 54 4 0 3.876 0 -5.555 0 39.102 56 5 5 0 3.876 0 -5.555 0 39.102 56 1 M12 1 0 748 0 5829 0 -17.725 57 2 0 748 0 5829 0 -18.894 59 4 0 748 0 5829 0 20.063 60 5 0 748 0 5829 0 221.232 61 1 M13 1 0 9.273 0 4.324 0 6.948 61 1 <td< td=""><td>49</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	49								
Section Sect	50		5	0					
52 2 0 3.876 0 -5.555 0 -20.991 54 4 0 3.876 0 -5.555 0 -33.046 54 4 0 3.876 0 -5.555 0 -39.102 56 1 M12 1 0 748 0 -5.829 0 -16.556 56 1 M12 1 0 748 0 -5.829 0 -16.556 57 2 0 748 0 -5.829 0 -18.894 59 4 0 748 0 -5.829 0 -20.063 60 5 0 748 0 -5.829 0 -21.232 60 5 0 748 0 -5.829 0 -21.232 61 1 M13 1 0 9.273 0 4.324 0 75.435 62 0 9.273 <td>51 1</td> <td>M11</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	51 1	M11	1						
53 3 0 3.876 0 -5.555 0 33.046 54 4 0 3.876 0 -5.555 0 39.102 55 5 0 3.876 0 -5.555 0 39.102 566 1 M12 1 0 .748 0 -5.829 0 -17.725 57 2 0 .748 0 -5.829 0 -17.725 58 3 0 .748 0 -5.829 0 -20.063 60 5 0 .748 0 -5.829 0 -21.232 61 1 M13 1 0 9.273 0 4.324 0 75.435 61 1 M13 1 0 9.273 0 4.324 0 9.273 63 3 3 0 9.273 0 4.324 0 17.478 65 0		A COLOR DE SE	2	0					
54 4 0 3.876 0 -5.555 0 -33.040 56 1 M12 1 0 748 0 -5.859 0 -16.556 57 2 0 748 0 -5.829 0 -17.725 57 2 0 748 0 -5.829 0 -18.894 59 4 0 748 0 -5.829 0 -20.063 60 5 0 748 0 -5.829 0 -20.063 60 5 0 748 0 -5.829 0 -20.063 61 1 M13 1 0 9.273 0 4.324 0 75.435 62 2 0 9.273 0 4.324 0 36.946 63 3 0 9.273 0 4.324 0 17.478 64 4 0 9.273 0			3	0	3.876				
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Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:20 PM Checked By:

						<u>ion) (Cont</u>			8.44fl. £47
	1.0	Member Label	Sec	Axial[k]		z Shear[k]		y-y Moment	z-z Moment[k-ft]
96	17	M20	1	0	16.774	0	-2. <u>836</u>	0	115.357
97	AL 50.		2	0	16.774	0	-2.836	0	89.148
98	2 30		3	0	16.774	0	-2.836	0	62.939
99	(8, 1 1 8, 18, 1	C	4		16.774	0	-2.836_	00	36.73
100	0.250	Agrica Crewara	5		16.774	∵ 0 · · ·	-2.836	0	10.521
		M21	1		20.845		-2.535	0	97.002
101		IVIZ I	2		20.845		-2.535	0	64.431
102		148, A. 60 64 (BD), QC (45 (BB))	3		20.845		-2.535	0	31.861
103		A Sec. (Sec. Non-superior)			20.845		-2.535	0	2.71
104		7846784FF	4 .t <u>4</u>		20.845		-2.535	0	-33.281
105			5				-2.808	Ŏ	24.681
	3 1	M22	1.5		15.745		-2.808	0	.079
107			2	0	15.745		-2.808 -2.808	0	-24.522
108	3		3	0	15.745			0	-49.124
109)		4	0	15.745		-2.808	0	-73.726
110)	Control of the Contro	5	0.4	15.745		-2.808		-18.228
111		M23	1	0	9.947	0	-2.873	0	-33,77
112			2	0	9.947	0	-2.873	0	-49.313
113			3	0	9.947	0	-2.873	0	
11/2		German Statement	4	0	9.947	0	-2.873	0	-64.855
115			5	0	9.947	0	-2.873	0	-80.397
		M24	19.00	- 0 ·	3.56	0	-2.962	0	-27.541
	3 1	IVIZ	2	0	3.56	0	-2.962	0	-33.104
117		vica callegate and the	3	0	3.56	0	-2.962	0	-38.667
118		60.000	1,1,27		3.56	0	-2.962	0	-44.23
119		. Aprilia de la composición de	4	0_	3.56	0	-2.962	0	-49.793
120			5	<u> 0</u>			947	0	109.304
12		M25	1	0	12.727		947	0/8	89.418
12:			2	0	12.727			0	69.533
12:	3		3	_ _ 0	12.727		947	0	49.647
12	4		.4	0	12.727		947		29.761
12			5	0	12.727		947	0	129.679
	6 1	M26	1	0	18.502		945	0	
12		•	2	0	18.502		945	0	100.769
12			3	0	18.502	2 0	- 945	0	71.859
12		(c) 100 (20 (c) (c) (c) (c) (c) (c) (c) (c) (c) (c)	4	0	18.502		945	0	42.949
13			5	Ō	18.502		- 945	0	14.039
		M27	1	0	22.693		848	0	110.028
13		IVI∠ <i>I</i>	2	0	22.693		- 848	0	74.57
13				0	22.693		848	0	39.111
13			3	0	22.693	3 0	- 848	0	3.653
13			4		22.09	3 0	848	0	-31.805
13			5	0	22.693		931	0	32,356
	<u>6 1</u>	M28		0	17.46			0	5.068
13			2	0	17.46		931	0	-22.22
13			3	0	17.46		<u>931</u>		-49.509
13			4	0	17.46		931	0	-49.309 -76.797
	0		5	0	17.46		931	0	
	1 1	M29	1	0	11.30		947		-15.476
	2		2	0	11.30		947	0	-33.139
14			3	0	11.30		947	00	-50.801
	.3 4		4	Ö	11.30		947	0	-68.464
		San San San San San San San San San San	5	0	11.30		947	0	-86.126
	5	100 A 100 A	3 	0	4.343		- 973	0	-27,786
	16 <u>1</u>	M30	Suffer Service Service & London Service	0	4.343		973	0	-34.572
	17		2		4.343		973	0	-41.358
	18	49 10 10 10 10 10 10 10 10 10 10 10 10 10	3	0			973	0	-48.145
	19		4	0	4.343		973	0	-54.931
	50	1 1 1 N N N N N N N N N N N N N N N N N	5	0	4.343		1.089	0	108.893
	51 :	1 <u>M31</u>	1 1	0	12.68		1.089	Ŏ	89.071
15	52		- 2	0	12.68	6 <u>0</u>	1:008	San Production Of the Co	<u> </u>

: Calderwood Engineering: Eric Calderwood: 053-br-12 ER-BRF 015-1(23)

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werno	er Section	ruices (1						Mamonille fil
LC	Member Label	Sec	Axial[k] y			Torque[k-ft]		z-z Moment[k-ft] 69.248
153		3		12.686	0	1.089	0	
154		4	0 1	12.686	0	1.089	0	49.426
155	2.30,60	5	0	12.686	0	1.089	0	29.604
100	M32			18.442	0	1.087	0	129.153
156 1	o ostylozna	2		18.442	0	1.087	0	100.338
157					o o	1.087	0	71.523
158		3		18.442		1.087	0	42.707
159		4		18.442	0		Ö	13.892
160		5		18.442	0	1.087		109.535
161 1	M33	1		22.627	0	.975	0	
162		2	0 2	22.627	0	.975	0	74.18
163		3	0 2	22.627	0	.975	0	38.824
164		4	0 :	22.627	0.4	.975	0	3,469
165	100	5		22.627	0	.975	0	-31.886
	I CONON	7		17.403	Ö	1.071	0	32.051
166 1	M34	0		17.403	0	1.071	0	4.858
167	SOL AUGUSTANI PERONISTA	2			0	1.071	0	-22.334
168		3		17.403				-49.526
169		4		17.403	0	1.071	0	-76.718
170		5		17.403	<u>0</u>	1.071		
171 1	1 M35	1		11.254	0	1.089	0	-15.608
172		2	0	11.254	0	1.089	0	-33:191
173		3		11.254	0	1.089	0	-50.775
174	Constitution of the	4		11.254	0	1.089	0	<u>-68.359</u>
		5		11.254	0	1.089	0	-85.942
175	4	<u> </u>	0	4.312	0	1.119	0	-27.799
176 1	1 <u>M36</u>	NAS. 243. (01) 126 11, 100 11, 100 1			0	1.119	0	-34.536
177		2	0	4.312			0	-41.273
178		3	0	4.312	0	1.119		-48.01
179		4	0	4.312	0	1.119	0	
180		5	0	4.312	0	1.119	0	-54.748
181	1 M37	1	0	11.476	0	2,964	0	96.819
182	era caracteria como e	2		11.476		2.964	0	78.887
	26. contratavene alexandre	3		11.476		2.964	0	60.956
183	Ne series Crubescand vid	4		11.476		2.964	0	43.024
184				11.476		2.964	0	25.092
185		5				2.956	Ö	113.801
186	<u>1∛ ∞M38</u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		16.583			1	87.89
187		2	0	16.583		2.956	0	61,979
188		3	S 0 0	16.583		2.956	0	
189		- 4	0	16.583		2.956	0	36.068
190		5	0	16.583	0	2.956	0	10.158
	1 M39	1	0	20.64	0	2.641	0	95.604
192		2		20.64		2.641	0	63.355
	auto y legar y constatuit financiat filosofi	3-	0	20.64		2.641	0	31.105
193	023 TESTERO POR 0200		0	20.64		2.641	Ŏ	-1.144
194		4				2.641	0	-33.394
195		5	0	20.64			0	23.893
196	1 M40	1	0	15.556		2.929		413
197		2	0	15.556		2.929	0	
198		3	0.0	15.556		2.929	0	-24.72 40.007
199		4	0	15.556		2.929	0	-49.027
200	and the property of the	5		15.556		2.929	0	-73.333
201	1 M41	1	0	9.804		2.999	0	-18.468
	1 (V! 41)	1 2	<u> </u>	9.804		2.999	0	-33.786
202	y-ye (2000-000 (600-000)			9.804		2.999	0	-49.104
203	AND A SECTION OF THE PERSON OF THE	3	0			2.999	0	-64.423
204	98 75 E S (1) 3 S (2)	4	<u> </u>	9.804				-79.741
205		5	0	9.804		2.999	0	
206	1 M42	1	0	3.48		3.093	0	<u>-27.481</u>
207		2	0	3.48		3.093	0	-32.919
208	51 310003 0 500	3	0	3.48		3.093	0	-38.357
209	and the second of the second o	4	Ō	3.48		3.093	0	-43.795
209	l			0.70				

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Membe	er Section F	<u>-orces (E</u>	sy Con	<u>ıbınat</u>	ion) (Cont			
LC	Member Label	Sec	Axial[k]	y Shea	z Shear[k]	Torque[k-ft]		z-z Moment[k-ft]
210		5	0	3.48	0	3.093	0	-49.233
211 1	M43	1	0	9.078	0	4.408	0	73.439
212	- Stratistation	2	0	9.078	0	4.408	0	59.255
213		3	0	9.078	0	4.408	0	45.071
214		4	0	9.078	0	4.408	0	30.887
215		5	0	9.078	0	4.408	0	16.704
216 1	M44	1 5	0	12.654	0	4.392	0	84.297
217		2		12.654	0	4.392	0	64.525
218		3		12,654	< 0	4.392	0	44.753
219		4		12.654	0	4.392	0	24.981
220		5		12.654	0	4.392	0	5.21
221 1	M45	1	0	16.497	0	3.882	0	70.636
222	osta se de la companya della companya della companya de la companya de la companya della company	2		16.497	0	3.882	0	44.86
223		3		16.497	0	3.882	0	19.084
224		4		16.497	0 ≓	3.882	0	- 6,69 <u>2</u>
225		5		16.497	0	3.882	0	-32.468
226 1	M46	1		11.839	0	4.401	0	11.694
227	191-10	2		11.839	0	4.401	0	-6.805
228	- XC-2-2-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-	3		11.839	0	4.401	0	-25:304
229	The state of the s	4		11.839	0	4.401	0	-43.803
230	1950, 2050 EVENTS 1	5		11.839	0 5	4:401	0	-62:302
231 1	M47	1	0	7.205	0	4.565	0	-19.852
232	IVI-T /	2	0	7.205	Ö	4.565	0	-31.11
233	Application of the partition of the total of	3	0	7.205	0	4.565	0	-42.368
234	VA 45 40 125 43 15	4	o o	7.205	0	4.565	0	-53.626
235		5	0	7.205	0	4.565	0	-64.884
236 1	M48		ŏ	2.204	0	4,747	0	-24.386
237	10,200	2	0	2.204	0	4.747	0	-27.829
238		3		2.204	0	4.747	0	-31.272
239		4	0	2.204	0	4.747	0	-34.715
240	Veran course (U.S.)	5 5		2.204	0	4.747	0.0	-38.159
241 1	M49	1	0	4.697	0	5.23	0	36.536
242		2	0	4.697	0	5.23	0	29.197
243		3	0	4.697	0	5.23	0	21.859
244	ugastujustujus.	4	0	4.697	0	5.23	0	14.521
245		5	0	4.697	0	5.23	0	7.182
246 1	M50	1	0	6.252	0	5.241	0	41.058
247		2	0	6.252	00	5.241	00	31.29
248	AND THE SANTO	. 3	0	6.252	0	5.241	0	21,522
249		4	0	6.252	0	5.241	0	11.754
250	And the second to the second s	5	0	6.252		5.241	0	
251 1	M51	1	0	8.823	00	4.5	0	34.947
252		2	0	8.823	0	4.5	0	21.161
253		3	0	8.823	0	4.5	0	7.375
254		- 4 <u> </u>	0	8.823	0	4.5	0	-6.411
255		5	0	8.823	0	4.5	0	-20.197
256 1	M52	4.4.1	0	6.1	0	5.328	0	2.326
257		2	0	6.1	0	5.328	0	-7.206
258		3	0	6.1	0	5.328	0	-16.738 -26.97
259		4	0	6.1	0	5.328	0	-26.27
260		5	0.0	<u>6.1</u>	0	5.328	0	-35.802 14.079
261 1	M53	1	0	3.557	0	5.607	0	-14.078
262		2	Ŏ	3.557	0	5.607	0	-19.636 25.194
263		3	0	3.557	0	5.607	0	-25.194 -30.751
264		4 -	0	3.557	0	5.607	0	-36.309
265		5	0	3.557	0	5.607 5.888	0	-36.309 -15.558
266 1	M54	1	0	.638	0	<u> </u>	<u>ar is eas Origins</u>	The services of the services of the temperature of the services of the service

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

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Wen		er Section					Torque[k-ft]	v-v Moment	z-z Moment[k-ft]
007	LC	Member Label	Sec 2	Axiai[k]	y Shea .638	2 Silear[K]	5.888	0	-16.555
267	0.89		2	0	.638	ő	5.888	Ŏ	-17.553
268	(C)(4)	(KV599402) (B40) (B40) (B40)	4	0	.638	0	5.888	0	-18.551
269	13.00		5	0	.638	Ŏ	5.888	Ö	-19.548
270	4	M55	1	0	1.214	0	5.457	0	8.498
271	1	CGIVI	2	0	1.214	Ö	5.457	0	6.601
272	125 4		3	0	1.214	Ö	5.457	0	4.704
273	- (A) 12.	and a high emission of high	3 4	0	1.214	Ö	5.457	0	2.807
274	2563		5	0	1.214	0	5.457	0	.909
275	14 s	M56	3 (1.6)	0.0	1.4	Ö	5.476	- 0	8.619
276	11	OCIVI	2	0	1.4	0	5.476	0	6.431
277	in a	New York Control	3	0 -	1.4	Õ	5.476	0	4.243
278			4	0	1.4	0	5.476	0	2.055
279	3.5%		5	0	1.4	Ŏ	5.476	0	-:133
280	1	M57	1	0	1.888	0	4.759	0	7.398
281	49605	I GIVI	2	0	1.888	Ŏ	4.759	0	4.448
282	JESK.			0	1.888	0	4.759	0	1.499
283	12/43		3 4	0	1.888	0	4.759	0 0	-1.45
284		10-20-20-08-00-20-03-08-8	5	0	1.888	0	4.759	0	-4.399
285	1.30 a (31	MAS CRUENCES	3 ⊴3 1 €	0	1.379	Ö	5.597	Ŏ	477
286	145 A	M58	Andrew Control		1.379	0	5.597	0	-1.679
287	al elico		2	0 0	1.379	Ö	5.597	0	-3.834
288	1000	30.000	3		1.379	0	5.597	0	-5.989
289	S 155-45-		4	0	1.379	0	5.597	Ó	-8.144
290	9.5	60 (2010)	5	0	.821	0	5.924	0	-3.407
291	1	M59	1	0_		à 0	5.924	0.0	-4.69
292	188		2	0	.821		5.924	0	-5.973
293			3	0	.821	0	5.924	Ŏ	-7.255
294		And the second s	4	0	.821		5.924	0	-8.538
295	S 94.2		5	0_	.821	0	6.248	0	-3.976
296	11	M60	0 8 1 - 0	0	.056		6.248	0	-4.064
297	01 29a%		2	0	.056	0	6.248	0	-4.152
298			3	<u>0</u>	.056	0	6.248	0	-4.24
299		70 V 10 00 00 00 00 00 00 00 00 00 00 00 00	4	0_	.056	0	6.248	0	-4.328
300			5	0	.056			0	0
301	11	M61	1	0	152.416		0	0	-113.852
302			2	<u> 0 </u>	151.188		0	0	-226.783
303		and the second of the second and the second of the second	3	0	149.96		0	0	-338.792
304			4	0	148.732			0	-449.881
305	1		5	0	147.504		0	0	-444.452
306		M62	1 - 3		145.478		6.614		-660.826
307			22	<u> </u>	143.022		6.614	0	-873 516
308			3	0	140.566		6.614	0	-1082.522
309			4	<u> 0_</u>	138.11		6.614	0	-1002.322
310			5	0	135.653		6.614	0	-1287.8 5 4
311		M63	1	0_	135.653		-4.1	0_	-1207.034 -1489.491
312		e pieno el control	2	0.4	133,197		-4.1	0	-1687.444
313			3	0	130.741		-4.1	0	-1667.444 -1881.713
314			4	0	128.285		-4.1	0	
315			5	0	125.828		-4.1	0	-2072.297 -2067.18
316	1	M64	1	0	120.106		16.325	0	-2067.18 -2289.5
317			2	0_	117.036		16.325	0	
318			3	0	113.966		16.325	0	-2506.063
319			4	0	110.898		16.325	0	- <u>2716.869</u>
320			5	0	107.825		16.325	0	-2921.918 -2021.03
321	1		1	0	107.82		-14.059	0	-2921.93
322			2	0	104.75		<u>-14.059</u>		-3121,222
323			3	0	101.684	4 0	<u>-14.059</u>	00	-3314.758

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Member	Section .	<u>Forces (E</u>	<u> 3y Con</u>	ibinati	on) (Cont	inuea)		
	ember Label	Sec	Axial[k]		z Shear[k]	Torque[k-ft]	y-y Moment	z-z Moment[k-ft]
324	elinei ranei	4	0	98.614	0	-14.059	0	-3502.536
	Series and a military series	5		95.544	0	-14.059	0	-3684.558
325	M66	J		85.646	-0	23.084	0	<u>-3680.281</u>
326 1	IVIOO	2		82.575	0	23.084	0	-3837.988
327	sevatera de la composición dela composición de la composición de la composición de la composición de la composición dela composición de la composición dela composición dela composición de la composición de la composición de la composición dela composición de la composición dela composición dela composición dela composición dela composición dela composición dela composic	3		79.505	Ö	23.084	0	-3989.938
328	Section Control of the Control of th	4		76.435	0	23.084	0	<u>-4136.131</u>
329		5		73.365	0 0	23.084	0	-4276.568
330	1107	1		73.365	0	-21.386	0	-4276.577
331 1	<u>M67</u>	<u> </u>		70.294	o o	-21.386	0	-4411.256
332		2			0	-21.386	0	-4540.179
333	Constitution of the control of the	3		67.224	- 0	-21.386	ŏ	-4663.344
334		4		64.154		-21.386	0	-4780.753
335		5		61.083	0	26.957	0	-4777.939
336 1	<u>M68</u>	1 . 1	0	48.86	0		0	-4866.673
337		2	0	45.79	0	26.957	0	-4949.65
338	al about a graph flores on the col-	- 3		42.719		26.957	0	-5026.87
339		4		39.649	0	26.957		-5 <u>098.333</u>
340		5		36.57 <u>9</u>	0	26.957	0	-5098.338
341 1	M69	11	0	36. <u>57</u> 9	0	-26.06	0	-5098.338 -5164.044
342		2	0	33.508	0	-26.06	0	-5164.044 -5223.994
343		3	0	30.438	0	-26.06	0	
344		4	(全0)	27.368	9 0	-26.06	0	-5278.187
345		5	0	24.298	0	-26.06	0	-5326.623
346 1	-M70	1	0	10.946	0	27.861		-5325.685
347	11110	2	0	7.875	0	27.861	0	-5343.329
348		3	0	4.805	0	27.861	0	-5355.217
349	Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Salar Sa	4	0	1.735	0	27.861		-5361.348
	Sec. 13 (15) 125 (25)	5	0	-1.336	S 6 0	27.861	0	-5361.723
350	M71	1	0	-1.336	0	-27.894	0	-5361.722
351 1	1717 1	2	Ö	-4.406	0	-27.894	0	-5356.34
352	Control (Sept. Service)	3	0	-7.476	0	-27.894	0	-5345.201
353	CONTRACTOR SECTION	4	0 -	-10.546		-27.894	0	<u>-5328.305</u>
354			0	-13.617	0	-27.894	0	-5305.652
355		5	0	-26.928	0	25.823	0.34	-5306.731
356 1	M72	og kan di travatine 🛮 eta yandat		-29.998	0	25.823	0	-5253.362
357		2	0	-33.069		25.823		-5194.238
358		3	0	-36.139		25.823	0	-5129.356
359	reconstruction of the second s	4	0	-39.209		25.823	Ö	-5058.717
360		5	0			-26.782		-5058.712
361 1	<u>M73</u>	11	0	-39,209		-26.782		-4982.317
362		2	<u> </u>	-42.279		-26.782 -26.782		-4900.165
363		3	0	<u>-45.35</u>				-4812.257
364		44	0.5	-48.42		-26.782		-4718.591
365		5	0	-51.49		-26.782		4721.525
366 1	M74	1	0	-63.592		20.956		-4599.413
367		2	0	-66.662		20.956		-438-418 -4471.544
368	Bridge tro	3	. 0	-69.732		20.956		-4337.918
369		4	. 0	-72.802		20.956		-437.916 -4198.536
370		5	0	-75.873		20.956		
371 1	M75	1	0	-75.873		-22.703		-4198.527 -4053.388
372		2	0	-78.943		-22.703		
373		3	0	-82.013		-22.703		-3902.492
374		4	0 -	-85.084		<u>-22.703</u>		-3745.839
375		5	0	-88.154	1 0	-22.703		-3583.43
376 1	M76		0	-97.85		13.45		-3587.79
377	THE STATE OF	2	0	-100.92		13.45		-3401.431
378		3	0	103.99		13.45	0	-3209.316
379	The property of the court	4	0	-107.06		13.45	0	-3011.443
	251E-1/251/46-19/51/46	5	- 0	110.13		13.45		-2807,814
380	Leader Balancia P. A.K.	rom regionary 🔾 stylic	oren <u>opos≎v - d</u>	** 1 ** ** ** ** * * * * * * * * * * *	<u> </u>			

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:20 PM Checked By:

Member Section	<u>Forces (E</u>	sy Con	<u>nbinat</u>	<u>ion) (Cont</u>	<u>inuea)</u>		
	Sec		y Shea		Torque[k-ft]	y-y Moment	z-z Moment[k-ft]
LC Member Label	1	0	110.138		-15.747	0	-2807.802
381 1 M77	2	0	113.208		-15.747	0	-2598.417
382		-	-116.278		-15.747	0	-2383.275
383	3	0	-119.349		-15.747	o o	-2162,376
384	4				-15.747	0	-1935.72
385	5	0	-122.419			0	-1940.868
386 1 M78		0	-127.74	0	3.359	0	-1764.524
387	2	0	-129.981	0	3.359	0	-1 <u>585</u> .113
388	- 3	0	-132.222		3,359		-1402.635
389	4	0	-134.463		3.359	0	-1217.09
390	5	0	-136.704		3.359	0	
391 1 M79	1	0_	-136.704	0	- <u>5.878</u>	0	-1217.08
392	2	0	-138.945	0	-5.878		=1028.47
393	3	0	-141.186	0	-5.878	0	-836.792
	4	0	-143.427	0	-5.878	0 _	-642,048
394	5	0	-145.668		-5.878	0	-444.237
395 M80		0	-147.507		0.0	0	-449.67
396 1 M80		0	-148.734		0	0	-338.633
397	2		149.962		ő	0 3 3	-226.675
398	3	0	-151.189		0	0	-113.798
399	4	0			l o	Ŏ	0
400	5	0	-152.417		0	0	0
401 1 M81	1	<u> 0 </u>	143.504		0	0	-106.191
402	2	0	142.149				-211.375
403	3	0	140.794		0	0	-315.552
404	4	0	139.439		0	0	- 318.532 -418.721
405	5	0	138.083		0	0	
406 1 M82	1	0	136.731		5,93	0	418.73
407	2	0	134.021	0	5.93	0	-620.034
408	-3	0	131.311	0	5.93	0	-817.307
409	4	0	128.601	. 0	5.93	0	-1010.551
	5.5	ő	125.891		5.93	0	-1199.765
410 M83	1	0	125.891		-4.05	0	-1199.773
	2	0	123.181		-4.05	0	-1384,958
412		0	120.471		-4.05	0	-1566.113
413	3		117.761		-4.05	Ö	-1743.238
414	4	0	115.051		-4.05	0	-1916.333
415	5	0			14.88	Ö	-1916.395
416 1 M84	1 1	0	112.081			0	-2121.577
417	2	0_	108.694		14.88	0	-2320.463
418	3 _	. 0	105.306		14.88		-2513.0 <u>53</u>
419	4	0_	101.919		14.88	0	-2513.003 -2699.346
420	5	0	98.53		14.88	0	
421 1 M85	11	0	98.53		-13,189	0	-2699.354
422	2	0	95.144		-13.189	0	-2879:35 -2053:040
423	3	0	91.756	3 0	-13.189	0	-3053.049
424	4	0	88.369	9 0	-13.189	0	-3220.452
425	5	0	84.98		-13.189	0	-3381.558
426 1 M86		0	80.003		21.049	0	-3381.613
	2	0	76.61		21.049	0	-3527.169
427	3	0	73.22		21.049	0	-3666.429
428		0	69.84		21.049	0	-3799.392
429	<u>4</u> 5	0	66.45		21.049	0	-3926.058
430					-19.777	0_	-3926.065
431 1 M87	1	0	66.45		-19.777		-4046.434
432	2	0	63.06		-19.777 -19.777	0	-4160.507
433	3	0_	59.67			A CONTRACTOR OF THE PROPERTY O	-4268,284
434	4	0	56.29		<u>-19.777</u>		-4369.763
435	5	0	52.90		-19.777	0	-4369.796
436 1 M88	146	0:	46.47		24.591		-4309 K90 -4453.036
437	2	0	43.08	9 0	24.591	0	-4403.030

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

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July 21, 2013 1:20 PM Checked By:

<u>Mem</u>	<u>ıbe</u>	r Section I	Forces (E						z-z Moment[k-ft]
	LC	Member Label	Sec		y Shea	z Shear[k]	Torque[k-ft]		-4529.98
438			3		39.702	0	24.591	- % O	-4600.627
439			4		36.314	0	24.591	0	-4664.977
440	Ņ.	SEASON STATE	5	0	32.927	0	24.591	0	-4664.981
441	1	M89	1	0	32.927	0	-23.919	0	4723.034
442		\$ A 3 A 5 Z	2	0	29.539	0	-23.919	0	-4774.792
443			3		26.151	0	-23.919	0	-4820.252
444			4	0	22.764	0	-23.919	0	-4859.416
445			5	0	19.376	0	-23.919	0	4859.426
446	11	M90	- 1 m	0	12.351	0	<u>25.468</u>		-4879.235
447			2	0	8.963	0	25.468	0	-4892.747
448		\$2.94.55 (doi:10.15)	3	0	5.576	0.8	25.468	0	-4899.963
449	· ·		4	0	2.188	0	25.468	0	-4900.882
450	1 200		- 5	0	-1.199	0	25.468	Ŏ.	-4900.882
451		M91	1	0	-1.199	0	-25.494	0	-4895.504
452		A Communication of the Communi	2	0	-4.587	- 60	-25.494	0	-4883.83
453			3	0	-7.974	0	<u>-25.494</u>	0	-4865.86
454		Carlotte Carlotte Carlotte	4	0	-11.362	0 4	-25.494	0	-4841.592
455			5	0	-14.75	0	-25.494	0	-4641.592 -4841.581
456		M92	1	0	-21.755	0	23.711	0	-4797.995
457	T		2	0_	-25.143	0	23.711	0	-4797.995 -4748.113
458	100	\$600 WEBURA	3	0	-28.53		23.711	0	-4691.934
459			4	0	-31.918	0	23.711	0	-4629.458
460			5	0_	-35.305	0	23.711	<u> </u>	-4629.455
461		M93	1	0	-35.305		-24.43	0	-4029.453 4560.683
462			2	0	-38.693		-24.43	0	-4485.614
463			3	0	-42.081	00	-24.43	0	-4404.249
464			4	0	-45.468		<u>-24.43</u>	0	-4316.588
465			5	0	-48.856		-24.43	0	-4316.553
466		M94	4	0	-55.212		19.393	0	-4210.779
467			2	0	-58.6	0	19.393	0	-4098.709
468			3	0 🖟	-61.987		19.393	0	-3980.342
469	Ţ		4	0	-65.375		19.393	0	-3855.678
470			5	0	-68.763		19.393	0	-3855.671
471	1	M95	1	0	-68.763		-20.701	0	-3724.711
472			2	0	-72.15		<u>-20.701</u>		-3587.454
473	3		3	0	-75.538		-20.701 -20.701	0	3443.901
474			4	0	-78.925			0	-3294.051
475			5	0_	-82.313		-20.701	Ö	-3293.993
476	<u> </u>	M96		0	-87.139		12.64	0	-3128.875
477			2		-90.527		12.64 12.64	0	-2957.461
478			3	- 0	-93.914		12.64	1 0	-2779.75
479			4	0	-97.302		12.64	0	-2595.742
480			5	<u> </u>	100.68		-14.353	0	-2595.733
48		<u>M97</u>	1	0	-100.68		-14.353 -14.353		-2405.429
482		<u> </u>	2	<u> </u>	-104.07 -107.46		-14.353 -14.353		-2208.829
483			3	0			-14.353	77 1 4 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2005:932
484			4	0/	-110.85 -114.2		-14.353		-1796.738
48		Julian District	5	0	-117.04		3.364	0	-1796.676
48		1 <u>M98</u>	1 1	0	-119.51		3.364	0	-1636.213
48			2	0	-121.9		3.364	Ŏ	-1472.395
48		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3		-124.46		3.364	0	-1305.223
48			4	<u> </u>	-126.93		3.364	Ŏ.	-1134.697
49		4 1400	5	0	-126.93		-5.248	0	-1134.69
49		1 <u>M99</u>	2	0	-129.40		-5.248		-960.81
49			3	0	-131.8		-5.248		-783.576
49		- Lancia	3	Ö	-134.3				- <u>602.988</u>
49	4:1	rad Managora, Lawie di Le	a to the state of	econ position a	<u> </u>	<u> </u>	<u> – , – </u>		

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:20 PM Checked By:

Melline	i Section	1 Orces IE			ion) (Com			Memonilly fil
LC	Member Label	Sec	Axial[k]	y Shea	z Shear[k]	Torque[k-ft]		z-z Moment[k-ft] -419.045
495		5	0	-136.824	0	-5.248_	0	
496 1	M100	1	0	-138.26	0	0	0	-419.041
497	(VI 100	2	0	-139.615	0	0	0	-315.791
	C 25 8 4 8 8 8 2 1 4 5 4 5 7 4	3		-140,969	Ö	0	0	-211.534
498	100000000000000000000000000000000000000			-142.324	0	0	0	-106.27
499		4				· 0	0.80	0
500	20 10 10 10 10 10 10 10 10 10 10 10 10 10	5		-143.678	<u> </u>			Ō
501 1	M101	11	0	141.464	0	0	0	402.765
502		2	0	140.121	0	0	0	-103.765
503		3	0	138.778	0	0	0	-206.539
503	1952 (1855) (1855)	4		137.435	0	0	0	-308.324
504	Anna strategic and collection		0	136.092	0	0	0	-409.119
505		5		134.249	0	5.789	0.	-409.88
506 1	M102	1000000	0				0	-605.783
507		2	0	131.563	0	5.789		-797.727
508		3	- 40 - 4	128.877	0	5.789	0	
509		4	0	126.19	0	5.789	0	-985,711
510	Figs. val.es. co. sy s	5	0	123.504	0	5.789	3/3 0	-1169.735
	N4400	1	0	123.504	0	-3.942	0	-1169.743
511 1	M103	1	-0	120.818		-3.942	0	-1349.807
512	362 52552 (41.5%)	2		118.131	0	-3.942	0	-1525.913
513		3	0				0	-1698,058
514		4	0	115.445	0	-3.942		-1866.244
515		5	0	112.758	0	-3.942	0	
516 1	M104	1	0	108.777	- 0	14.447	0	-1867.035
517	N TO THE TOTAL PROPERTY OF THE TOTAL PROPERT	2	0	105.419	0	14.447	0	-2064.363
	E STANDES AND VERSION AND	3	Ŏ	102.061	0	14.447	0	- <u>2255.505</u>
518	5 10 5 1 m 1 5 1 m			98.703		14,447	0	-2440.459
519	23.12.12.22.22.22.22.22.22.22.22.22.22.22.	4	0			14.447	Ŏ	-2619.226
520		5	0	95.345				-2619.235
521 1	M105	11	0	95,345		-12.789	0	-2791,814
522		2	0	91.987		-12,789	0	
523		3	0	88.629	0	-12.789	0	-2958.207
524	COSSISTANCE CONTRACTOR	4	0	85.272		-12.789	0	-3118.413
	in Tanki Landaki Kabasa eta	5	0	81.914		-12.789	0	-3272.431
525	er source references		0	76.789		20.327	0 0	-3272.966
526 1	M106	1				20.327	0	-3411.357
527		2	0	73.431			0	-3543.56
528		3	0	70.073		20.327		-3669.576
529		4	0_	66.715		20.327	0	
530	C PSZESSIESZESZ	5	0	63.357	7 0	20.327	0	-3789 405
531 1	M107	1	0	63.357		-19.078	0	-3789.411
	141 101	2	0	59.999		-19.078	0.8	-3903.053
532	to this high profession in		0	56.641		-19.078	0	-4010.508
533	er benald in section, a sect	3				-19.078	0	-4111.776
534	E SOERCO AND	- 4		53.283			0	-4206.857
535		5	0	49.925		<u>-19.078</u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-4207.182
536 1	M108	1	0	44.604		23.656	0.0	4006 074
537		2	0_	41.248		23.656	0_	-4286.271
538		3	0	37.888		23.656	0	-4359.173
	and the second s	4	0	34.53		23.656	0	-4425.888
539		5	0.5	31.172			0	-4486.416
540	50 SERVERY (2015) 12000000000000000000000000000000000000	24 CANCEL (19 19 19 19 19 19 19 19 19 19 19 19 19 1				-22.996	0	-4486.42
541 1	M109	<u> </u>	0	31.172				-4540.761
542		2	0	27.814	4 0	-22.996		-4588.915
543		3	0	24.456		-22.996	0	The second secon
544		4	0	21.09	8 0	-22.996		-4630.882
545		5	0	17.74		-22.996		-4666.662
	M110		0.8	12.29		24.466		-4666.767
546 1	I - I - S - IVI I - I U - Nº			8.941		24.466	0	-4686.335
547		2	0			24.466	0 0	-4699.716
548		3	0	5.583			0	-4706.91
549		4	0_	2.226		24.466		-4707.917
550	E TURN NO PERSON	5	0	-1.132	2 0			
	1 M111	1	0	-1.132	20	-24.49	0	-4707.917
<u> </u>								· · · · · · · · · · · · · · · · · · ·

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

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LC Member Label Sec 552 2 553 3 554 4 555 5 556 1 M112 1 557 2 558 3 559 4 560 5 561 1 M113 1 562 2 563 3 564 4 565 5 566 1 M114	Axial[k] v Sho 0 -4.9 0 -7.8 0 -11.3 0 -14.9 0 -23.0 0 -30.0 0 -33.0 0 -36.0 0 -40.0 0 -43.0	19 0 48 0 206 0 664 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Torqueik-ftl -24.49 -24.49 -24.49 -24.49 -22.8 -22.8 -22.8 -22.8 -22.8 -23.506	0 0 0 0 0 0 0 0	z-z Moment k-ft -4702 737 -4691.37 -4673.816 -4650.075 -4649.954 -4610.011 -4563.881 -4511.564 -4453.06
553 3 554 4 555 5 556 1 M112 1 557 2 558 3 559 4 560 5 561 1 M113 1 562 2 2 563 3 3 564 4 4 565 5 5 566 1 M114 1	0 -7.8 0 -11; 0 -14; 0 -23; 0 -26; 0 -30; 0 -33; 0 -33; 0 -36; 0 -40.	48 0 206 0 364 0 0 0 358 0 716 0 332 0	-24.49 -24.49 -24.49 -22.8 -22.8 -22.8 -22.8 -22.8 -22.8	0 0 0 0 0 0 0	-4691.37 -4673.816 -4650.075 -4649.954 -4610.011 -4563.881 -4511.564
554 4 555 5 556 1 M112 1 557 2 558 3 559 4 560 5 561 1 M113 1 562 2 2 563 3 3 564 4 4 565 5 5 566 1 M114 1	0 -11; 0 -14; 0 -2 0 -23; 0 -26; 0 -30; 0 -33; 0 -33; 0 -36; 0 -40.	06 0 664 0 0 0 058 0 716 0 074 0 432 0	24.49 -24.49 22.8 22.8 22.8 22.8 22.8	0 0 0 0 0 0	-4673.816 -4650.075 -4649.954 -4610.011 -4563.881 -4511.564
555 5 556 1 M112 1 557 2 558 3 559 4 560 5 561 1 M113 1 562 2 2 563 3 3 564 4 4 565 5 5 566 1 M114 1	0 -14.5 0 -2 0 -23.6 0 -26.0 0 -30.0 0 -33.0 0 -36.0 0 -40.0	064 0 0 0 058 0 716 0 074 0 432 0	-24.49 22.8 22.8 22.8 22.8 22.8	0 0 0 0 0	-4650.075 -4649.954 -4610.011 -4563.881 -4511.564
556 1 M112 1 557 2 558 3 559 4 560 5 561 1 M113 1 562 2 2 563 3 3 564 4 4 565 5 5 566 1 M114 1	0 -22 0 -23.3 0 -26. 0 -30.0 0 -33. 0 -33. 0 -36 0 -40.	0 0 158 0 16 0 174 0 132 0 132 0	22.8 22.8 22.8 22.8 22.8	0 0 0 0	-4649.954 -4610.011 -4563.881 -4511.564
556 1 M112 1 557 2 558 3 559 4 560 5 561 1 M113 1 562 2 2 563 3 3 564 4 4 565 5 5 566 1 M114 1	0 -23. 0 -26. 0 -30. 0 -33. 0 -33. 0 -36 0 -40.	0558 0 0716 0 0774 0 132 0	22.8 22.8 22.8 22.8	0 0 0	-4610.011 -4563.881 -4511.564
557 2 558 3 559 4 560 5 561 1 M113 1 562 2 563 3 3 564 4 4 565 5 5 566 1 M114 1	0 -26. 0 -30. 0 -33. 0 -33. 0 -36 0 -40.	716 0 074 0 132 0	22.8 22.8 22.8	0 0 0	<u>-4563.881</u> <u>-4511.564</u>
558 3 559 4 560 5 561 1 M113 1 562 2 2 563 3 3 564 4 4 565 5 5 566 1 M114 1	0 -30.0 0 -33.0 0 -36 0 -40.	074 0 132 0 132 0	22.8 22.8	0	-4511.564
559 4 560 5 561 1 M113 1 562 2 563 3 564 4 565 5 566 1 M114	0 -33. 0 -33. 0 -36 0 -40.	132 0 132 0	22.8	0	
560 5 561 1 M113 1 562 2 2 563 3 3 564 4 4 565 5 5 566 1 M114 1	0 -33. 0 -36 0 -40.	132 0			
561 1 M113 1 562 2 2 563 3 3 564 4 4 565 5 5 566 1 M114 1	0 -36 0 -40.		-23.506	_ ^	-4453.056
562 2 563 3 564 4 565 5 566 1 M114	0 -40.	79 <u> </u>		0	-4388.365
563 3 564 4 565 5 566 1 M114			-23.506	0	-4317.487
564 4 565 5 566 1 M114 1	∩ -43		-23.506	0	-4317.407 -4240.422
565 5 5 5 5 66 1 M114 1			-23.506	0	
566 1 M114 1	0 -46.	363 0	-23.506	0	-4157.17
	0 -52		18.715	0	-4156.83
567 2	0 -55.		18.715	0	-4057.613
568 3	0 -58.	886 0	18.715	- 0	-3952.209
569 4	0 -62.	244 0	18.715	0	-3840.618
570 5	0 -65.	602 0	18.715	0	-3722.84
571 1 M115 1		602 0	-19.998	0	-3722.833
572 2		.96 0	-19.998	0	-3598.868
573 3		318 0	-19.998	0	-3468.717
574		676 0	-19.998	0	-3332.378
DOLT TO SAME SECURITION OF SEC		034 0	-19.998	0	-3189.852
70-10-10-10-10-10-10-10-10-10-10-10-10-10		126 0	12.262	0	-3189.302
		484 0	12.262	0	-3031.206
9		842 0	12.262	· 0	-2866.922
070		4.2 0	12.262	0	-2696.452
The state of the s		558 0	12:262	0 6	- <u>2519.795</u>
000		558 0	-13.941	0	-2519.786
581 1 M117 1 582 2		0.916	-13.941	0	-2336.942
UUL		1.274 0	-13.941	0	-2147.912
583 3		7.632 0	-13.941	0	-1 <u>952.694</u>
584		0.99 0	-13.941	0	-1751.289
585 5 586 1 M118 1		1.811 0	3.273	0	-1750.477
000 1 STATE OF THE		7.262 0	3.273	0	-1594.434
587 2		9.713	3.273	Ö	-1435.095
588 3	** ***	2.164 0	3.273	0	-1272.46
589 4		4.615 0	3.273	0	-11 <u>06.53</u>
590 5			-5.125	0	-1106.523
591 1 M119 1		4.615 <u>0</u> 7.066 0	-5.125 -5.125	0	-937.297
592 2			-5.125	0	-764.775
593 3		9.516 <u>0</u> 1.967 0	-5.1 <u>25</u>	0	-588.958
594 4			-5.12 <u>5</u>	0	-409.845
595 5			-5.125	0	-409.106
596 1 M120 1		6.155 0	0	0	-308.313
597 2		7.498 0	0	Ö	-206.531
598 3		8.841 0			-103.76
599 4		0.183 0	0	0 0	0
600 5		1.526 0	0	_	0
601 1 M121 1		0.141 0	0	0	-72.694
602		883 0	0	0	-144.468
603 3		.624 0	0	0	-144.400 -215.323
604 4		.366 0	0	0	
605 5		.108 0	0	0	-285.259
606 1 M122 1		.508 0	3.66	0	-284,422
607 2		.991 0	3.66	0	-420.66
608		.475 0	3.66	0	-553.22

: Calderwood Engineering : Eric Calderwood

053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

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<u>Membe</u>	<u>er Section</u>	Forces (I	By Con	nomau	iori) (Com	imueu)		
I.C.	Member Label	Sec	Axial[k]	y Shea	z Shear[k]	Torque[k-ft]	y-y Moment	z-z Moment[k-ft]
609	WEITIDE! LUDG!	4	0	86.958	0	3.66	0	-682.104
	10.000000000000000000000000000000000000	5		84.441	Ö	3.66	0	-807.311
610	1400			84.441	0	-3.056	0	-807.314
611 1	M123	1		81.925	Ŏ.	-3.056	Ö	-928.845
612		2				-3.056	0	-1046.699
613		3	0	79.408	0		0	-1160.876
614		4		76.892	0	-3.056		-1271.377
615		5	0	74.375	0	-3.056	0	
616 1	M124	1	0	76.058	0	9.525	0	-1270.615
617		2	0	72.913	0	9.525	0	-1406.644
618	reis decre sont d	3	0	69.767	0	9.525	0	-1536.928
619		4	0	66.621	0	9.525	0	-1661.468
620	150500000000000000000000000000000000000	5		63.475	0	9.525	- 0	<u>-1780.262</u>
621 1	M125	1	0	63.475	0	-8.987	0	-1780.265
622	IVI 123	2	ŏ	60.33	0	-8.987	0	-1893.314
		3	0	57.184	0	-8.987	0	-2000.618
623	T Make the value of victors		Market Street Company of the company	54.038		-8.987	0	-2102,178
624	6 (Part 8) (19 (19 (19 (19 (19 (19 (19 (19 (19 (19	55 4- 4	0			-8.987	0	-2197.993
625		5	0	50.893	0		0.5	-2197.514
626 1	M126	1	0	54.345	0	13.452	0	-2293.89
627		2	<u> </u>	51.2	0	13.452		-2283.08 -2384.521
628	มี กรุกที่ เ ต็จตั้งเกิดสหราช	3	0	48.054	0	13.452	0	
629		4	0	44.908	0	13.452	0	-2469.407
630		5	0	41.763	0	13.452	0 =	-2548.548
631 1	M127	1	0	41.763	0	-13.049	0	-2548.55
632		2	0	38.617	0	-13.049	0	-2621.947
633		3	0	35.471	0	-13.049	0	-2689.598
634	35.50.600.64	4	0	32.325		-13.049	0	- <u>2751.505</u>
635	and refresh provided and approximate the section	5	0	29.18	0	-13.049	0	-2807.667
	M128	1998 A 1996	Ö	33.03	0	15.718	0	-2807.407
636 1	IVI 1ZO	2	0	29.884		15.718	0	-2864.855
637		3	80	26.738		15.718	0.8	-2916.559
638				23.593		15.718	0	-2962.517
639		4	0			15.718	0	-3002.731
640	1.2.4.213.614E.E.	5	0 -	20.447			0	-3002.732
641 1	M129	11	0	20.447		<u>-15.506</u>	0	-3037,201
642		2	0	17.301		-1 <u>5,506</u>		-3065.925
643		3	0	14.156		-15.506	0	
644	ACCOUNTS OF THE	4	0	11.01	0	-15.506	0	-3088.904
645		5	0	7.864	0	-15.506	0	-3106.138
646 1	M130	8 M 86	₹ 0 ₹	11.843	0.	16.357	0	-3106.06
647		2	0	8.697	0	16.357	0	-3124.816
648		3	Ō	5.552	0	16.357	0	-3137.827
649		4	0	2.406	0	16.357	0	-3145.093
		5	NO.	74	0	16.357	0	-3146.614
650	10111	1	0	74	0	-16.364	0	-3146.614
651 1	M131	<u> </u>	0	-3.885		-16.364	0	-3142:391
652		2				-16.364	0	-3132.423
653		3	0	-7.031		-16.364	0	-3116.71
654	N ne mangalan-panta	4	0	-10.177			0	-3095.252
655		5	0	-13.323		-16.364		-3095.342
656 1	M132		0.0	-9.348		15.386	0	-3075.398
657		2	0	-12.494		15.386	0	
658		3	0	-15.64		15.386	0	-3049.709 -3049.374
659		4	0	-18.785		15.386	0	-3018.274
660	e ey ag vala da amura	- 5	0	-21.931		15.386	0	-2981.095
661 1	M133	1	0	-21.931		-15.613	0	-2981.094
662		2	0.	-25.077		-15.613	0	
663		3	0	-28.222		-15.613	0	-2889.502
664		4	· o	-31.368		-15.613	0	
665	1 m 10 m 10 m 10 m 10 m 10 m 10 m 10 m	5	0	-34.514		-15.613	0	-2774.93
000		ı J		1 2	_ 		·	

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

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Member Section For	<u>ces (By Combina</u>	tion) (Con	<u>tiriuea)</u>		
LC Member Label	Sec Axial[k] y Shea.	z Shear[k]	Torque[k-ft]		z-z Moment[k-ft]
666 1 M134	1 0 -30.68	0	12.818	0.0	-2775.203
667	2 0 -33.826	0	12,818	0	-2716.301
668	3 0 -36.972	0	12.818	0	-2651.653
669	4 0 -40.118	0	12.818	0	<u>-2581.261</u>
670	5 0 -43.263	0	12.818	0	-2505.124
671 1 M135	1 0 -43.263	0	-13.232	0	-2505.122
672	2 0 -46.409	0	-13.232	0	-2423.24
673	3 0 -49.55	0	-13.232	0	-2335.613
674	4 0 -52.7	0	-13.232	0	-2242.242
675	5 0 -55.84		-13.232	0	-2143.125
676 1 M136	1 0 -52.43		8.642	0	-2143.621
33.3	2 0 -55.58		8.642	0	-2044.982
677	3 0 -58.7	the first term to be dead of the control of the con	8.642	0	-1940.598
678	4 0 -61.87		8.642	0	-1830.469
679 680	5 0 -65.02		8.642	.0	-1714.595
	1 0 -65.02		-9.187	0	-1714.592
The second secon	2 0 -68.16		-9.187	- 0 - A	-1592.974
682	3 0 -71.31		-9.187	0	-1465.611
683	4 0 -74.45		-9.187	8.0	-1332.503
684	5 0 -77.60		-9.187	0	-1193.65
685 M138	1 0 -76.13		2.596	0	=1194.432
	2 0 -78.42		2.596	0 _	-1091.425
687	3 0 -80.72		2.596	0 .	-985.357
688	4 0 -83.0		2.596	0	-876.229
689	5 0 -85.31		2.596	0	-7 <u>64.041</u>
690 M139	1 0 -85.31	1, 4, 7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	-3.202	0	-764.039
	2 0 -87.61		-3.202	0	-648.791
692	3 0 -89.90		-3.202	0	-530.482
693	4 0 -92,20		-3.202	0	-409.113
694	5 0 -94.49		-3.202	0	-284.684
695 M140	0 -95.24		0	0	- <u>285.509</u>
	2 0 -96.49		0	0	-215.509
697 698	3 0 -97.75		0	0	-144:591
699	4 0 -99.0		0	00	-72.755
700	5 Ŏ -100.2		0	0	0
701 1 M141	1 0 97.80		0	0	0
702	2 0 96.5		- 0	0	-70.359
703	3 0 95.30		0	0	-139.814
704	4 0 94.00		0	0	-208.367
705	5 0 92.8		0	0	-276.017
706 1 M142	1 0 92.	1 0	3.561	0	-275.705
707	2 0 89.60		3.561	0	-407.26
708	3 0 87.1		3.561	0	-535.204
709	4 0 84.6	18 0	3.561	0	-659.536
710	5 0 82.1		3.561	0	-780.257
711 1 M143	1 0 82.1		-2.93	0	-780.26
742	2 0 79.6		-2.93	0	-897.369
713	3 0 77.1		-2.93	0	-1010,867
714	4 0 74.6		-2.93	0	-1120,753
715	5 0 72.1	47 0	-2.93	0	-1227.027
716 1 M144	1 0 73.6		9.193	0	-1226,798
717	2 0 70.5		9.193	0	-1357.257
718	3 0 67		9.193	> 0 <u> </u>	-1482.073
719	4 0 64.2	83 0	9.193	0	-1601.247
720	5 0 61.1		9.193	0 0	-1714.777
721 1 <u>M145</u>	1 0 61.1	65 0	-8.638		-1714.78
722	2 0 58.0		-8.638	0	-1822.666
:4 1 - 0.00 (2000 mm) (2000 000 000 000 000 000 000 000 000 0					

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

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wemt	<u>ber Section</u>	Forces (E	SY CUI	iibiiiau			***	40.61
Ĺs	C Member Label	Sec		y Shea	z Shear[k]	Torque[k-ft]		z-z Moment[k-ft]
723		3	0	54.929	0	-8.638	0	-1924.91
724		4	0	51.812	0	-8.638	0	-2021.511
725	4101 12 (2007) (2 14 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5	0	48.694	0	-8.638	0	-2112.469
	1 M146	, j	0	52.199	0	12.918	0	-2112.336
726	I VIVIAO	2		49.082	0	12.918	0	-2203.995
727	soci usazi ya yangi origi k	3	0	45.964	Ö	12.918	0	-2290.011
728	5/5 ASS 200 SAME NO.		_	42.846	0	12.918	0	-2370.385
729	euro Pari Consu Bar Kilianen erek	4	0		0	12.918	0	-2445:115
730		5	<u> </u>	39.728		-12.509	0	-2445.117
	1 M147	11	0	39.728	0	-12.509 -12.509	0	-2514.204
732		2	0	36.611	0			-2577.648
733		3	0	33.493	0	-12.509	0	-263 <u>5</u> .449
734		- 4	0	30.375	0.4	-12.509	0	-2687.606
735		5	0	27.258	0	-12.509	0	
736	1 M148	าสล้าสัยเกลื เมื่อเลือ	0	31.806	0	15.043	0	<u>-2687,554</u>
737		2	0	28.688	0	15.043	0	-2742.301
738	Service County	3	0	25.57	4 O C	15.043 <u> </u>	0	-2791.404
739	2-12-1 - 12-2-12-2-1-1-1-1-1-1-1-1-1-1-1	4	0	22.452	0	15.043	Q	-2834.865
740		5	Ö	19.335	0	15.043	0	<u>-2872.682</u>
	1 M149	1	0	19.335	0	-14.829	0	-2872.683
741		2	0	16.217	0	-14.829	Ö	-2904.857
742			0	13.099	0	-14.829	0	-2931.389
743		3		9.982	0	-14.829	0 0	-2952.277
744		4) Ö			-14.829	0	-2967.522
745		5	0	6.864	0		0	-2967.51
746	1 M150	1	0	11.774	0	15.634	0	-2985.999
747		2	0	8.657	0	15.634	0	-2998.846
748		3	0	5.539	0	15.634		-3006.05
749		4	0	2.421	0	15.634	0	
750		5	0	697	0	<u>15.634</u>	0	-3007.61
	1 M151	1	0_	697	0	-15.642	0	-3007.61
752		2	0	-3.814	0	<u>-15.642</u>	0	-3003.528
753	27.63	3	0	-6.932	0	-15.642	0	-2993.802
754		4	0	-10.05	0	-1 <u>5.642</u>	0	- <u>2978</u> ;434
755	2000 2000 2000 2000 2000 2000	5	0	-13.168	0	-15.642	0	-2957.422
	1 M152	787	o o	-8.268	0	14.716	0	- <u>2957.436</u>
756	INITIO	2	0	-11.386	0	14.716	0	-2939.649
757	. 1944 - 1944 - 1945 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 1946 - 194	<u>2</u> ∂ 3	0 0	-14.504	ŏ	14.716	0	-2916.219
758	\$15 14 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15			-17.621	0	14.716	0	-2887.146
759		4	0	-20.739	0	14.716	0.0	-2852.43
760		5	0	-20.739		-14.945	0	-2852.429
	1 M153	1	0_		0		ŏ	-2812.07
762		2	0	-23.857		-14.945		-2766.068
763	and the state of t	3	0	-26.974		-14.945	0	-2766.006 -2714.423
764		4	0	-30.092		-14.94 <u>5</u>	0	
765		5	0	-33.21	0	-14.945	0	-2657.135
766	1 M154		0	-28.707		12.29	0	-2657.191
767		2	0	-31.825		12.29	<u> </u>	-2602.409
768	TATE RESIDENCE STREET	3 - 3	0	-34.943		12.29	0	-2541.985
769		4	0	-38.06	0	12.29	0	-2475.917
770		5	0 - ·	-41.178		12.29	0	-2404.206
	1 M155	1	0	-41.178		-12.711	0	-2404.204
	1 141100	2	ŏ	-44.296		-12.711	0	<u>-2326.85</u>
772		3	0	-47.414		-12.711	0	-2243.853
773	# (1/2 1/3 to 1/3 to 1/2 to 1/4 to	4	Ö	-50.531		-12.711	Ō	-2155.213
774				-53.649		-12.711	0	-2060.93
775		5	0	-50.265		8:308	- 0	-2061.071
776	1 M156	18 - 1	0			8.308	0	-1967.27
777		2 _	0	-53.382			0	-1867.827
778	R. W. Sale	3	0	-56.5		8.308		-1762.74
779		4	0	-59.618	00	8.308	0	-1104.14
	·							

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

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<u>Men</u>	<u>be</u>	<u>r Section i</u>	-orces (E	y Con	<u>ıpınat</u>	ion) (Cont	<i>mueu)</i>		······································
	10	Member Label	Sec	Axial[k]	v Shea	z Shear[k]	Torque[k-ft]	y-y Moment	z-z Moment(k-ft)
780		The second second	5	70	-62.736	0	8.308	0 ->	-1652.01
781	1	M157	1	0	-62.736	0	-8.871	0	-1652.007
	200	IVITO	2		-65.853	Ŏ	-8.871	0	-1535.634
782	100	2000年1900年1900年1900年1900年1900年1900年1900年			-68.971	0	-8.871	0	-1413.618
783	08784	XX	3	0	-72.089	0	-8.871	ŏ	-1285,959
784	9.3		4	0				0	-1152.657
78 <u>5</u>			5	0	-75.206	0	<u>-8.871</u>		-1152.892
786	1	M158	1		-73.913	0	2.485	0	-1053.746
787			2		-76.189	0	2.485	0	
788			3	0	-78.464	0	2.485	0	-951.593
789			4	0	-80.74	0	2.485	0	<u>-846.435</u>
790	3.6	经验的股份方	5	0	-83.015	0	2.485	0	-738.27
791	1	M159	1	0	-83.015	0	-3.118	0	-738.268
792	444		2	< 0	-85.291	0	-3.118	0	-627.097
793	2010/19		3	0	-87.566	0	-3.118	0	-512.921
794	76.4		4	0	-89.842	0	-3.118	0	-395.738
	3 (3.55)	Victoria serrogali e calturi di autoria	5	0	-92.117	0	-3.118	0	-275.55
795	0.280	100000		0	-92.809	Ö	0	0	-275.863
796	1	M160			-94.055	0	0	0	-208.25
797	(9.345)	To Building at the SN Control Malary or a	2	0	-94.055 -95.302	0	0	0	-139.736
798	球袋		3	0	-95.302 -96.548		0	0	-70.319
799			4	0		0		0	The second secon
800	20		5	0.5	-97.795	0	0		0
801	1	M161	1	0	94.457	0	0	0	-67.33
802	製料	13 (18 S - 17 S S S S S S S S S S S S S S S S S S	2	0	93.221	0	0.0	0.5	
803			3	0	91.985	00	00	0	-133.773
804			4	0	90.749	0	0	0	-199.329
805			5	0	89.513	0	0	0	-263.998
806	3 1 3	M162	1		89.023	-0 k - 3	3.437	0	- <u>263.685</u>
807	30 TV	CANCELVIII OLI	2	0	86.551	0	3.437	0	-389.66
808	S227	SE 14 (4) (4) (4)	3		84.079		3.437	0-4-4	-512.087
809	125-603-5	Activities and a second second	4	0	81.607	0	3.437	0	-630.968
008	1916		5	l ő -	79.136		3.437	0	-746.301
810	4 7 135	N44CO	4	0	79.136		-2.771	0	-746.304
811	1	M163		0	76.664		-2.771	Ö	-858,091
812	7.03	224420225000000000000000000000000000000	2				-2.771	0	-966.33
813	<u> </u>	Teacher 15 Appendence	3	0	74.192	0	-2.771	0	-1071.023
814			. 4	0	71.72				-1172.168
815	_		5	0	69.249		-2.771	0	-1171,934
816	1	M164	1	0	71.126		8.806	0	
817			2	0	68.036		8.806	<u> 0</u>	-1296.746
818	1000		3	0	64.947		8.806	0.0	-1416.015
819	7.		4	0	61.857		8.806	0	-1529.742
820	133		- 5	0	58.767		8.806	0	-1637.927
821		M165	1	0	58.767		-8.226	0	-1637.93
822			* · · · 2	0	55.677		-8,226	0	-1740.573
823		- Charles Second Section 505	3	0	52.588		-8.226	0	-1837.673
824			4	0	49.498		-8,226	0	-1929.231
		A seed representative comments of the seed	5	0	46.408		-8.226	0	-2015.247
825		MACC	1	0	50.288		12.334	Ö	-2015.095
826	1.1	M166			47.199		12.334	0	-2102.528
827	E1 +10-		2	0			12.334	0	-2184.42
828			3	0	44.109		12:004	0	-2260.769
829		the first transport to the first of the first transport to	4	0	41.019		12.334	0	-2331.576
830			5	0	37.929		12.334		-2331.579
831		M167	11	0	37.929		-11.912	0	
832	1	44503504039800	2	0 %	34.84		-11.912	0	=-2396.843
833			3	0	31.75		-11.912	0	-2456.566
834			4	0	28.66		-11.912	0	-2510.746
835			5	0	25.57		-11.912	0	-2559.384
836		M168	1	0	30.707	7 0	14.331	0	-2559,309
000	95.1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						•	

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

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wembe	<u>er Section</u>	<u>Forces (E</u>	SY COL	IDITIAL	On Com	111ucu/		
1.0	Member Label	Sec	Avial[k]	y Shea	z Shear[k]	Torque[k-ft]	v-v Moment	z-z Moment[k-ft]
	Wember Laber			27.618	0	14.331	0	-2611.619
837		2					0	-2658.387
838		3	0	24.528	0	14.331		
839		4	0	21.438	0	14.331	0	-2699.612
		5	0	18.348	0	14.331	0	-2735,296
840	((C) (8) (8) (NY (8) (8) (9)				0	-14.112	0	-2735.297
841 1	M169	1	0	18.348				-2765.438
842		2	0	15.259	0	-14.112	0	
843		3	0	12.169	0	-14,112	0	-2790.037
	- Eddings Designation	4	Ŏ	9.079	0	-14.112	0	-2809.094
844						-14.112	Ö	-2822.609
845		5	0	5.989	0			
846 1	M170	13-3-1	0	11.7	0	14.878	0	-2822.587
847		2	0	8.61	0	14.878	0	<i>-</i> 2840.803
	2 15 February 19 11 15	3	- Ŏ	5.521	0	14.878	0	-2853.477
848	CANAGORA (ALBANA					14.878	0	-2860.608
849		4	0	2.431	0			-2862.197
850		- 5	0	- 659	0	14.878	0	
851 1	M171	1	0	659	0	-14.886	0	-2862.197
	5. 2000 - 14 10 20 20 14 20 20 20 20 20 20 20 20 20 20 20 20 20	<u>.</u> 2	0	-3.749	0.00	-14.886	0	-2858.244
852						-14.886	0	-2848.749
853		3	0	-6.838	0			-2833.711
854		4	0	-9.928	0	-14.886	0	
855		5	0	-13.018	0	-14.886	0	-2813.132
	M172	3.1	o .	-7:326	Ō	14.006	0	-2813.156
856 1	S IVI 1 / Z	Access to the property of the control of the contro		-10.416		14.006	0	-2797.244
857		2	0		0			-2775.789
858		3	0	-13.506	0	14.006	0	
859		4	0	-16.595	0	14.006	0	-2748.792
	T 156 NSS 256 S N 6 5 4 4	5	Ŏ	-19.685	0	14.006	0	-2716.2 <u>53</u>
860		1			7	-14.24	0	-2716.252
861 1	M173	1	0	-19.685	0			-2678:171
862		2 -	0	-22.775	0	-14.24	0	
863		3	0	-25.865	0	-14.24	0	-2634.547
	y da di un coren mag	The second secon	Ö	-28.954	0	-14.24	0	-2585.382
864	128 - 128 - 148 - 1	4 _					0	-2530.674
865		5	0	-32.044	0	-14.24		
866 1	M174	18-56 1 50 65	0	-26.971	0	11.704	0	-2530.754
867		2	0	-30.061	0	11,704	0	-2479.604
	0 25 98 60 S 28 6 6 C	เรื	Ö	-33.15	0	11.704	0	-2422.912
868	《大大大学》						0	-2360.677
869		4	0	-36.24	0	11.704		
870		5	0	-39.33	0	11.704	0	-2292.901
871 1	M175	1	0	-39.33	0	-12.139	0	-2292.898
	IVITO	2	O.E.	-42.419		-12.139	0	-2219.579
872							0	-2140.718
873		3	0	-45.509	0	-12.139		
874	S SATARATE	4	0	-48.599	0	-12.139	0.55	-2056.315
875		5	0	-51.689	0	-12.139	0	-1966.37
	10470		Ŏ.	-47.937		7.912	0	-1966.529
876 1	M176	H 54 20000 1 52 4000				7.912	0	-1877.77
877		22	0	-51.027	0			-1783.47
878		3	0	-54.117		7.912	0	
879		4	0	-57.206	0	7.912	0	-1683.626
880	THE STATE OF THE S	5	0	-60.296		7.912	0.00	-1578.241
		1 (2000) 1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (-60.296		-8.5	0	-1578.238
881 1	M177	1	0			-0.J	0	-1467.31
882	gu ricigiosa granda g	2	- 0	-63.386		-8.5		
883		3	0.0	-66.476	. 0	-8.5	0	-1350.841
884		4	0	-69.565		-8.5	0.0	-1228.829
	ga, egypytemente fagtet er skille 178			-72.655		-8.5	0	-1101.275
885		5	0					-1101.514
886 1	M178	1	0	-70.987		2.346	0	
887		2	0	-73.242	0	2.346	0	-1007.102
		3	Ŏ	-75.497		2.346	0	-909.739
888	24 DEC SELECTION STATES			-77.752		2.346	0	-809.423
889		4	0					-706.154
890	2 2 2 2 2 2 2 2 2 2	5	- 0 :	-80.007		2.346	0	
	1 M179	1	0	-80.007	0	-3.014	0	-706.152
	. 141110	2		-82.262		-3.014	0	-599.931
892	25			-84.517		-3.014	0	-490.758
893		3	0	-04.517	· · ·	-3.014		1-2-1-2-

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

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						ion) (Cont	Torque[k-ft]	v-v Moment	z-z Moment[k-ft]
	LC I	<u>Member Label</u>		and the second second	y Shea	z Shear[k] 0	-3.014	y-y iyloment	-378.633
394			4	0	-86,772		-3.014 -3.014	0	-263.555
395			5	0	-89.027	0	A STATE OF THE STA	0	-263.867
396	11	M180	1	0	-89.513	0	0		-199.229
397			2	0	-90.748	0	0	0	-133.705
398			3	0	-91.983	0	0	0	-67.296
399			4	0 _	-93.219	00	0	0	the control of the co
900	3.0		5	0	-94.454	0	0.0	0	0
901	1	M181	1 1	0	88.207	0	0	00	0
902	3),A?		2	0	87.132	0	0	0	-62.333
903	01,792.	AND THE CONTRACT OF THE PARTY O	3		86.056		0	0	-123.902
	51/CE		4		84.981		0	0	<u>-184.706</u>
904	3/3/24		5		83.905		0	0	-244.746
905	12433	14400			83.431		3.262	0	-251.016
906	8 27	M182	100,000		81.28	0	3.262	0	-368.125
907			2	0	79.129		3.262	0	-482.176
908		Application of the Edit of the Conference of the	3				3.262	0	-593.169
909			4	0	76.978			0 -	-701.103
910	28		5	0	74.827		3.262 <u>-</u>	0	-701,106
911	1	M183	1	0	74.827		- <u>2.571</u>	0.0	-805.982
912	戀		2	0	72.677		<u>-2.571</u>		-907.799
913			3	0	70.526		-2.571	0	-1006.559
914	W	\$ 950 A S	4	0	68.375		-2.571	0	-1102.259
915	Γ		5	0	66.224		-2.571	0	
916	1	M184	意义· 1 學變化	0	66.347	′ 0	8.315	0	-1108.126
917	1		2	0	63.659	0	8.315	0	-1223.67
918			3	0	60.97	. 0	8.315	0	-1334.435
919	27772	a set a para time a prima e y suche prima leve	4	0	58.282		8.315	0	-1440.421
920	1623		5	0	55.594		8.315	. 0	-1 <u>541.628</u>
	T .	M185	1	0	55.594		-7.716	0	<u>-1541.631</u>
921	1	INITOO	2	ŏ	52.905		-7,716	0 0	-1638.06
922	100	PERSONAL PROPERTY.	3	0	50.217		-7.716	0	-1729.709
923	- 100			0	47.528		-7.716	O	-1816.58
924	- 5		4				-7.716	0	-1898.672
925	1	The later of the Control of the Cont	5	0	44.84		11.633	0.	-1903.336
926	1	M186	7014479 1 4103900	0	46.502		11.633	0	-1983.605
927	_		2	0	43.814			0	-2059.094
928			3	0	41.12		11.633		-2129.805
929			4	0_	38.437		11.633	0	-2195.737
930		0,44,50,186,194	5	0.	35.748		11.633	0	
931	1	M187	1	0_	35.748		11.2	0	-2195.74
932			2	0	33.06	0	-11.2	0	- <u>2256.893</u>
933			3	0	30.37	1 0	<u>-11.2</u>	0	-2313.267
934			4	0	27.68	3 0	-11.2	0	-2364.863
935		no de alema de internación de la compans	5	0	24.99		-11.2	0	-2411.68
936	1	M188	1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.0	27.93		13.501		-2414.653
		IVITOO	2	0	25.24		13.501	0	-2461.909
937		0.0000000000000000000000000000000000000	3	0	22.55		13.501		- <u>2504.386</u>
938	100	T. 1912 200 - 17 (1912 1913 1913 1913 1913 1913 1913 1913	4	0	19.86		13.501	0	-2542.084
939	Salassan			0	17.17		13.501	Ŏ	-2575.003
940			5		17.17		-13.277	0	-2575.004
941		M189	1	0			-13.277		-2603.145
942			2	0	14.48			0	-2626.507
943			3	0	11.79		-13.277		-2645.09
944			4	0	9.11		<u>-13.277</u>		-2658.894
945			5	0	6.422		-13.277	0	The second secon
946		M190	1	0	10.14		14.002		
947			2	0	7.452		14.002	0	-2675.505
948			3	0	4.763	3 0	14.002		-2686.361
949			4	0	2.075	5 0	14.002	0	-2692.438 -2693.736
			5		614		14.002	0	- 1997年 - 19

: Calderwood Engineering: Eric Calderwood: 053-br-12 ER-BRF 015-1(23)

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<u>Memi</u>	<u>be</u>	r Section	Forces	s (B	y Con	<u>noinat</u>	ion) (Cont			
 L	C	Member Label	Sec		Axial[k]	y Shea	z Shear[k]	Torque[k-ft]		z-z Moment[k-ft]
	1	M191	1		0	614_	0	-14.01	0	-2693.736
952	255		2		0	-3.302	0	-14.01	0	-2690,256
953			3		0	-5.991	0	-14.01	0	<u>-2681.996</u>
954	33		4		0	-8.679	0	-14.01	0	-2668.959
955			5		0	-11.368	0	-14.01	00	-2651.142
956	1	M192	See 1		· 0	-7.681	0	13.176	0	-2650.019
957	712		2		0	-10.369	0	13.176	0	-2633.976
958	vylėje.		3		0	-13.058	0	13.176	0	-2613.155
959			4		0	-15.746	0	13.176	0	-2587.556
960	AS.	se savil de com	5		. 0	-18.435	0	13.176	0	-2557.177
	1	M193	1		0	-18.435	0	-13.416_	0	-2557.176
962	3.		2		0	-21.123	0.00	-13.416	0	-2522.019
963			3	****	0	-23.812	0	-13.416	0	-2482.083
964			4		0	-26.5	0	-13.416	0	-2437.368
965		11-12-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	5	4,531	0	-29.189	0	-13.416	0	-2387.874
966	J ≟	M194	1.0	752.5A	0	-26.333	0	11.004	0	-2384.769
967	>- 1 25; •	Property Company	2		0	-29.022	0	11.004	0	-2335.572
968	410-13	-0.5 C C C C C C C C C C	3		0	-31.71	0	11.004	3 # 0	- <u>2281.596</u>
969	77 P. Sec.		4		0	-34.399	0	11.004	0	-2222.841
	X0000		5		Ŏ	-37.087	Ö	11.004	0	-2159.308
970	4	M195	4	ung argan	0	-37.087	0	-11.45	0	-2159.305
	1	M1190	2.0		- O	-39.776	0	-11.45	0	-2090.993
972	Y-15-54;		3	gage securios	0	-42.464	0	-11.45	0	-2017.902
973	NEW	(2.167a/6.466)44/4-5	4	18850	0	-45.153	Ŏ	-11.45	0	-1940.03 <u>3</u>
974	1000		2 Zdm-4+4 - 1 - 1 - 1	A. (20% P.C.)	0	-47.841	0	-11.45	0	-1857.384
975	S S	33400	5	15 4FG	0	-46.262	Ó	7.419	Ö	-1852,617
	1	M196	2010	W.C. Section	0	-48.951	0	7.419	0	-1767.995
977	903/50	commissing was an only	2	arii yayaga	0	-51.639	100 N	7.419	, o	-1678.595
978	31, 5140.		-	(<u>)</u> (14)		-54.328	0	7.419	0	-1584.416
979	ana and		4_	Brondeldi	<u>0</u>	-57.016	0	7.419	0,0	-1485.459
980	72.0		5			-57.016	0	-8.028	0	-1485.456
981	1	M197	1	Magnar	0	-59.705	0	-8.028	0	-1381.719
982	-333		2	HEER SERVICES	0	-62.393	0	-8.028	0	-1273.205
983	SCALE IN	Total Colonia Colonia	3	20 EFO M. F.C.A.	0	-65.082		-8.028	0.0	-1159.911
984			4		0			-8.028	0	-1041.838
985	i Galari		5_	970.2654 -	0	-67.77	0	2.173	0	-1035.91
986	18	M198	1	(157.11 A)	0	-67.757		2.173	0	-946.734
987		A STATE OF THE STA	2	ovinerst (-	0	-69.719	0		0.4	-855.012
988		\$165 B. B. B. B. B. B. B. B. B. B. B. B. B.	3		0	-71.681	0 0	2.173	0	-760.745
989		N. A. 100 (17) 17 17 17 17 17 17 17 17 17 17 17 17 17	4	erge gygetiet.	0	-73.643	0	2.173	0	-663.931
						-75.606		2,173		-663.929
991	1	M199	1	el garage	0	-75.606		-2.866	0 0	-564.57
992	192	300000000000000000000000000000000000000	2		0	-77.568		-2.866		-364.57 -462.666
993			3	and a second	0	-79.53		-2.866	0	-402.000 -358.216
994	鎏		4		0	-81.492		-2.866	0	-251.22
995			5		0	-83.455		-2.866	0	-251.22 -244.96
996	1	M200	133213	entario Artistal	0	-84.023		0	0	
997			2_		0	-85.098		0	0	-184.866
998	-r-oro		3	MALEE	0	-86.173		0.00	0	-124.008 62.386
999			4		0	-87.248		0	0	-62.386
1000	7.2	e ji ngang pangalangan na sa	5	iterati 1827 Partiti	0	-88.323	0	0	0	0

STR IV

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

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Joint	Bound	darv	Con	ditio	ns

JOINE BOUNDARY OF	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]	Footing
Joint Label 1 N1	Reaction	Reaction	Reaction	. Well-to-tile at the second-residence			
2 <u>N22</u>	Reaction	Reaction	<u>Reaction</u>		3 44 STOR #300 FREE PARTS	Contract Carrier and sensitives	39.11 123.837.1.3 1890 1890
3 N43	Reaction	Reaction	Reaction		Carrent Carle Carrent Carrent	1 62 456 (SEC.) 1 E. (SEC.)	\$500 B \$000 B \$000
4 N64	Reaction	Reaction	Reaction	1 (1844) 1949 1949 1949		F 05 (10 x 05 x 05 x 05 x 05 x 05 x 05 x 05 x	
5 N85	Reaction	Reaction	Reaction				V. 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6 N106	Reaction	Reaction	Reaction		porter a service of the	\$6. TA, 66. TAT OF SOLESANDER SAFES OF	
7 N127	Reaction	Reaction	Reaction	10 10 20 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10			Section Services
8 N21	Reaction	Reaction	Reaction		1 Sec. 40 Sec. 40 Sec. 4 Co. 1	y N. 10 man 10 ma	
9 N42	Reaction	Reaction_	Reaction	Nace West Color			
10 N63	Reaction	Reaction	Reaction		Magitus fight trippin signific	And the publication of the second of the sec	
11 N84	Reaction	Reaction	Reaction	12 1034 1 440 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
12 N105	Reaction	Reaction	Reaction	D Western Constitute	<u> </u>	54 2 14 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
13 N126	Reaction	Reaction	Reaction		CONTROL CONTRACTOR	o we sork a later of	
14 N147	Reaction	Reaction	Reaction			\$10 1 1 1 1 1 1 1 1 1	<u> </u>

Member Section Forces (By Combination)

Member Secti	on Forces (BY CUII	<i>iniii</i> ati	<u> </u>			z-z Moment[k-ft]
LC Member I	abel Sec	Axial[k]	y Shea	z Shear[k]		y-y Moment	8.202
1 2 M1	1	0	1.124	0	-5.217	0	6.445
2	2	0	1.124	0	<u>-5.217</u>		4.688
3	3	0	1.124	0	-5.217	0	2 931
4	4	0 0	1.124	0	-5.217	0	1.175
5	5	0	1.124	0	-5.217	0	8.569
6 2 <u>M2</u>	1	0	1.274	0	-5.219	0.4.4.4	6.579
7	2	0	1.274	0	- <u>5.219</u>	0	4.589
8	3	0	1.274	0 🖰 💮	<u>-5.219</u>	0	2.598
9	4	0	1.274	0	-5.219	0	608
10	5	0 6	1.274	0	-5 <u>.219</u>	0	7.791
11 2 M3		0	1.723	0	-4.576	0	5.099
12 100	2	0	1.723	0	-4 <u>.576</u>	0 0	2.407
13	3	0	1.723	0	-4.576	0	-284
14	4	0	1.723	0	-4.576	0	-2.976
15	5	0	1.723	0	-4.576	<u> </u>	1.644
16 2 M4	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	0	1.242	***0	-5.263	0	297
17	2	0	1.242	0	-5.263	0	- <u>.297</u> -2.238
18	3	.0	1.242	0	-5.263	0	
	4	0	1.242	0	-5.263	0	-4.179
19	5.0	0 0	1.242	and to Oaking	-5.263	0	-6.12
20 M		0	.822	0	-5.508	0	-1.654
21 2 Ms	2	0	.822	1333-140-14	-5.508	0	<u>-2,937</u>
	3	0	.822	0	-5.508	0	-4.221
23		. 0	822	0	-5.508	0	- <u>5,505</u>
24	5	0	.822	0	-5.508	0	-6.789
25 2 M	The second secon	<u> </u>	.246	0	-5.762	0	2.507
	2	0	.246	0	-5.762	0	-2.892
27	3	l ŏ	.246	0	-5.762	0	-3.276
28	4	0	.246	0	-5.762	0	-3.661
29	- 5	0	.246		-5.762	0	-4.046
30		0	3.948		-4.944	00	34.191
31 2 M	$\begin{pmatrix} & & 1 \\ & & 2 \end{pmatrix}$	0	3.948		-4.944	0	28.023
32	3	0	3.948		-4.944	0	21.854
33	4	Ö	3.948		-4.944	0	15.685
34		0	3.948		-4.944	0 _	9.516
35	5	0	5.611		-4.943	0	41.008
36 2 M	8		5.611		-4.943		32.241
37		0	5.611		-4.943		23.474
38	<u> </u>	507-01-10- U -9	<u> </u>	Nile and the Company of the Company			Structal R2DI Page 1

: Calderwood Engineering : Eric Calderwood

: 053-br-12 ER-BRF 015-1(23)

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C. Member Label Sec	
39	<u>(-ft]</u>
10	
41 2 M9 1 0 7.863 0 -4.312 0 24.1 42 2 0 7.863 0 -4.312 0 24.1 43 3 0 7.863 0 -4.312 0 -4.73 44 4 0 7.863 0 -4.312 0 -4.73 45 5 0 7.863 0 -4.312 0 -12.76 46 2 M10 1 0 5.654 0 -4.966 0 -9.761 47 2 0 5.654 0 -4.966 0 -9.761 49 4 0 5.654 0 -4.966 0 -18.595 50 5 0 5.654 0 -4.966 0 -18.595 51 2 M11 1 0 3.529 0 -5.17 0 -7.604 52 2 0	
41 2 9 7.863 0 -4.312 0 24.1 43 3 0 7.863 0 -4.312 0 11.814 44 4 0 7.863 0 -4.312 0 -2.73 45 5 0 7.863 0 -4.312 0 -12.76 46 2 M10 1 0 5.654 0 -4.966 0 7.907 47 2 0 5.654 0 -4.966 0 -9.761 48 3 0 5.654 0 -4.966 0 -9.761 49 4 0 5.654 0 -4.966 0 -18.595 50 5 0 5.654 0 -4.966 0 -27.429 51 2 M11 1 0 3.529 0 -5.17 0 -18.632 51 2 M12 0 3.529<	
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71 2 W15 1 0 10.070 0 -3.638 0 46.943	
26 102	
73 3 0 10.070 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
74 4 0 13970 0 0 0 18 58	
75 3 0 10.070 0 0.062 0 10.886	
76 Z W16 2 10.310	Name (Control of the Control of C
7/ 2 0 10.410 0 1.001	
00.40	
79 4 0 10.416 0 -4.051 0 -25.137	
80 5 0 10.416 0 -4.051 U -43.4	
81 2 M17 1 0 6.712 0 -4.17 0 -0.000	
82 2 0 6.712 0 -4.17 0 -19.33	
83 3 0 6.712 0 -4.17 0 -29.824	
0 6 712 0 -4.17 0 -40.312	
95 5 0 6712 0 -4.17 0 -50.80	
96 3 M18 1 0 2.614 0 -4.313 0 -16.123	
00 2 1010	8
8/ 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2	
88 2.014	
89 4 9 2.017 0 1000 0 2006	
90 2.014	
91 2 1019 1 0 0.112 0 0.000 0 60.776	
92 0 0 0 0 55 446	
93 3 3 3 3 4 3 6 6 6 6 6 6 6 6 6 6 6 6 6	
94 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
95 5 0 9.172 0 -2.669 0 26.784	<u> </u>

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

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July 21, 2013 1:35 PM Checked By:

	LC	Member Label	Sec	Axial[k]	y Shea	z Shear[k]	Torque[k-ft]		z-z Moment[k-ft]
	2	M20	1 2		13.772	0	-2.663	0	103,478
97			2	0	13.772	0	-2.663	0	81.959
98			3		<u> 13.772</u>		-2.663	0	60.439
99			44		<u>13.772</u>	0	-2.663	0	38.92
100			5		<u>13.772</u>	0	-2.663	0	17.401
	2	M21	1		<u> 17.316</u>	0	-2.404	0	90.877
102	38		2		<u>17.316</u>	0	-2.404	0.00	63.821
103			3		<u> 17.316</u>	0	-2.404	0	36.765
104			4		17.316	0	-2.404	0	9.709
105			5		17.31 <u>6</u>	0	-2.404	0	-17.347
106	2	M22	# # 1 to		13.482	0	-2.633	0.5	31.647
107			. 2		13.482	. 0	-2.633	0	10.582
108			3	0.0	13.482	0	-2.633	0	-10.483
109			4	0	13.482	0	-2.633	0	-31.548
110			5	0	13.482	0	-2.633	0	-52.613
	2	M23	1	0	8.943	0	-2.685	0	-5.972
112	5	Signatures et	2	0	8.943	0	-2.685	0	-19.945
113			3	0	8.943	0	-2.685	0	-33,918
114			4	0	8.943	0	-2.685	0	-47.891
115			5	0	8.943	0	-2.685	0	-61.864
116	2	M24	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	0	3.767	0	-2.759	0	-17.726
117			2	0	3.767	0	-2.759	0	-23.612
118	3.9		3	0.0	3.767	0	-2.759	0	-29.499
119	.,,		4	0	3.767	0	-2.759	0	-35.385
120	XX.E	\$7.55 S. S. S. S. S. S. S. S. S. S. S. S. S.	5	Ŏ	3.767	0	-2.759	0	-41.271
	2	M25	1		10.098	0	886	0	93.744
122	Ā	11120	2		10.098	0	- 886	0	77.965
123		A Company of the Comp	3		10.098	0	886	0	62.187
124	2000		4		10.098	0 2	- 886	0	46.408
125	Ç	I militari manana manana manana anta anta anta	5		10.098	0	886	0	30.63
126	ာ	M26	Na Ž		15.206	Ŏ.	885	Ō	115.955
127	_	INIZO	2		15.206	0	885	0	92.196
128	ZAÑ.		3		15.206		885	0	68.436
129		NAMES OF STREET	4		15.206	0	885	0	44.677
130	1573 1573		5		15.206		885	Ŏ	20.917
	2	M27	1		18.877	0	802	0	102.485
132	<u> </u>	IVIZ I	2		18.877	0	802	Ö	72.989
133	PLACE.		3		18.877	0	802	0	43.493
134	9011 1	AGALASER LEGGES NACHAGI	4		18.877	0	802	0	13.997
135	9-1-01-	Anticipate contractor and	5		18.877	0	802	0	-15.499
	ာ	M28			14.954		872 872	0	38.749
136	_	IVIZO	2		14.954 14.954	0	872	0	15.383
137	373		3		14.954 14.954	0	872 872	0	-7.983
138	500, N.S.	proceeding to the State of the Control			14.954 14.954		872 872	0	-31.348
139	25.43	(1.45 × 1.55 × 1	<u>4</u> 5			0	872 872	0	-54.714
140	_	NACC			14.954				-3.173
141	2	M29	1		10.117	0	885	0	-3.173 -18.982
142			2		10.117	0	885		-34.79
143	EVA	New region to the forest of	3		10.117	0	885	0	-50:598
144	815		4		10.117	0	885	0	
145	ا المارين	and the second of the second o	5		10.117	0	885	0	-66.407
146	2	M30	1	0	4.45	0	907	0	-17.696
147	er so		2	0	4.45	0	907	0	-24.648
148			3.	0	<u>4.45</u>	0	907	0	-31.601
149	200.41	Trestjestinoversom	4	0	4.45	0	907	0	-38.553
150			5	0	4.45	0	907	Ŏ	-45.506
	2	M31	1		10.065		1.02	0	93.392
152	1665);		2	0	10.065	0	1.02	0	77.666

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:35 PM Checked By:

<u> Memb</u>	<u>er Section</u>	<u>Forces (1</u>	By Con	ıpınat	<u>iori) (Corr</u>	(mueu)		
10	Member Label	Sec	Axial[k]	y Shea	z Shear[k]	Torque[k-ft]	y-y Moment	z-z Moment(k-ft)
153		3		10.065	0	1.02	0	61.939
154		4		10.065	0	1.02	0	46.212
155	* ************************************	5		10.065	0	1.02	0	30.486
	MOO	i i i		15.156	Ŏ	1.018	0	115.497
156 2	M32	4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -		15.156	0	1.018	0	91.816
157	3 4 3	2			0	1.018	Ŏ	68.134
158		- 3 · · ·		<u>15.156</u>				44.452
159		4		<u>15.156</u>	00	1.018	0	20.77
160		5		15.156	0	1.018	0	
161 2	M33	11		18.822	0	.922	0	102.045
162		2	0	18.822	0	.922	0	72.636
163		3	0	18.822	0	.922	0	43.227
164	The continues of the best of the continues of the continu	4		18.822	0.5	.922	0	13.818
165		5	0	18.822	0	.922	0	-15.591
166 2	M34	· Y		14.901	0 3	1.003	0	38.466
	HUIDH	2	0	14.901	0	1.003	0	15.183
167	# H. H. J. Con. H. C. H.	3		14.901		1.003	Ō	-8.101
168	B 1982 B 1050 B 1050 C C C C C C C C C C C C C C C C C C			14.901		1.003	0	-31.384
169	G in real flactions of the second Section 1995	4	0			1.003	0	-54.667
170		5		14.901		1.019	0	-3.303
171 2	M35	1	0	10.074			ŏ	-19.043
172		2	0	10.074		1.019		-34.783
173		3	0	10.074		1.019_	0	
174		4 =	0	10.074		1.019	- 0	-50.523
175		5	0	10.074		1.019	0	-66.264
176 2	M36	1	0	4.422	0	1.044	0	17.716
177		2	0	4.422	0	1.044	0	-24.626
178		3	0	4.422	0	1.044	0	-31.536
179		4	0	4.422	0	1.044	0	-38.445
180	r districtions, with the	5	<u>0</u>	4.422	0	1.044	0.00	-45:355
181 2	M37	1	0	9.073	0	2.784	0	83.063
	JVIO1	2	Ö	9.073	0	2,784	0	68.886
182	and the second s	3	0	9.073	0	2.784	0	54.709
183		4	0	9.073	Ö	2.784	Ŏ	40.533
184	4 32 8 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5					2.784	0	26.356
185		5	0	9.073	0 0	2.778	0	102.113
186 2	M38	1	0	13.616			0	80.838
187		2	0	13.616		2.778	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	59.562
188	n ing regnants souther	3	0	13.616		2.778	0	38.287
189		4	0	13.616		2.778	0	
190	3 5 5 5 5 5 5	5	<u>0</u>	13.616		2.778	Ŏ.	17.011
191 2	M39	111	0	17.143		2.506	0	89.609
192		2	0	17.143		2.506	0	62.822
193		3	0	17.143	0	2.506	0	36.036
194		- 4	0	17.143		2.506	0	9.25
195		5	0	17.143		2.506	0	-17,536
196 2	M40	, i	Ö	13.319		2.746	0:-	30.887
197	. CONSTRUCTOR	2	0	13.319		2.746	0	10.076
		3	0	13,319		2.746	0	-10.735
198			0	13.319		2.746	0	-31.547
199		4		13.319		2.746	0	-52.358
200	(71 Charles & Roder belling	5 5 5	0			2.802	0	-6.249
201 2	M41	1	0	8.817			0	-20.025
202		2	0	8.817		2.802		-33.801
203		3	0	8.817		2.802	0	
204		4	0	8.817		2.802	0	-47.577 64.354
205		5	0	8.817		2.802	0	-61.354
206 2	M42	347 4 1 467	0	3.696		2.881	0.5	-17.712
207		2	0	3.696		2.881	0	-23.486
208		3	0	3.696	0	2.881	0	-29.261
209		4	0	3.696		2.881	0	-35.036
203		· -		,				

: Calderwood Engineering : Eric Calderwood

: 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

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<u>Mem</u>	<u>be</u>	r Section	<u>Forces (E</u>	<u>sy Con</u>	<u>npinat</u>	ion) (Com	<u>(inuea)</u>	***	
	I C	Member Label	Sec	Axial[k]	y Shea	z Shear[k]		y-y Moment	z-z Moment[k-ft]
210			5	0	3.696	0 _	2.881	0	-40.811
	2	M43	1	0	7.136	0	4.164	0	63.046
212			2	0	7.136	0	4.164	0	51.895
213			3	0	7.136	0	4.164_	0	40.745
214	\$4.		4	0	7.136	0	4.164	0	29,595
215			5	0	7.136	0	4.164	0	18.445
216	2	M44	1		10.392	0	4.149	0	76.177 59.938
217			2		10.392	<u> </u>	4.149	0	43.7
218			3		10.392	0	4.149	0	27.462
219			4		10.392	0	4.149	0	11.224
220	344		5		10.392	0	4.149	0	66.795
221	2	M45	1 1		13.662	0	3.705	0	45.449
222	Apple		2		13.662	0	3.705 3.705	0	24.102
223			3		13.662	0	3.705	0	2 7 5 6
224		The second secon	4		13.662	0	3.705	0	-18.59
225	i a is	Management (1987)	5	0	13.662 10.129		4:132	Ö	18.721
226	2	M46	A 1.00 (1.00) 1 (1.00) 1 (1.00)	+	10.129	0	4.132	0	2.894
227	C2118		2	0	10.129		4.132	O S	-12.933
228	35.45		3		10.129	0	4.132	0	-28.761
229	-11/240		5	<u>0</u> 0	10.129	0	4.132	l ŏ	-44.588
230	S	NA 4.7	1	0	6.521	0	4.258	0	-8.923
231	2	M47	2	0	6.521	0	4.258	0	-19.112
232	4600		3	0	6.521	0	4.258	0	-29.301
233	2153		4	Ŏ	6.521	0	4.258	0	-39,49
234	\$541E	7 × × × × ×	5	0	6.521	0	4.258	0	-49.679
235 236	റ	M48	i i	- Ö -	2.532	0	4.407	- 0	-15.847
237	Z	IVI-TO	2	0	2.532	0	4.407	0	-19.804
238	82		3	0	2.532	0	4.407	0	-23.76
239	1,000	1 HE - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	0	2.532	0	4.407	0	-27.716
240	1000	Cranta de Villa de Sa	5	0	2.532	0	4.407	0	-31,673
241	2	M49	1	0	3.632	0	4.98	0	31.397
242	8.8		2	0	3.632	0	4.98	0.00	25.721
243			3	0	3.632	0	4.98	0	20.046
244			4	0	3.632	0	4.98	0	14.37
245			5	0	3.632	00	4.98_	_ 0	8.695
246	2	M50		0	5.144	0	4.981	0	37.636
247			2	0	5.144	0	4.981	0	29.598
248	3.5		3	0	5.144		4.981	0	21.56
249	Г		4	0	5.144	0	4.981	0	13.522
250	1133		5 5	0	5.144		4.981	0	5.484
251	2	M51	11	0	7.264	0	4.335	0	33.475 22.126
252	12		2	0	7.264	0	4.335	0	10.776
253			3	0	7.264	0	4.335	0	-573
254			<u> 4</u>	0	7.264		4.335		-11.923
255			5	0	7.264	0	4.335	0 0	7.097
256	2	M52		0	5.215		5.008	~	-1.052
257	1772	and the second of the second of the second of	2	0	5.215	0	5.008	0	-9.201
258			3	0	5.215		5.008	0	-17.351
259			4	0	5.215		5.008 5.008	0	-25.5
260			5	0	5.215		5.008	0	-7.253
261	2	M53	1	0	3.243		5.217	0	-12.32
262			2	0	3.243		5.217	0	-17.388
263		an de lineagro al prime servico	3	0	3.243 3.243		5,217	0	-22.456
264			4	0	3.243		5.217	0	-27.524
265		, AEA	5	0	.973		5.439	Ŏ	-10.177
266	2	M54	te [etre-base] [este-fil	50 (1543, U 737)	<u> </u>	especial of the Ombandia	<u>y 1000 O. 400 y</u>	a parameter supplementation	

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

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WCIII		er Section							
	LC	Member Label	Sec	Axial[k]		z Shear[k]		y-y Moment	z-z Moment[k-ft] -11.698
267			2	0	.973	0	5.439	0	-11.096 -13.219
268			3	0	.973	0	5.439	0	-14.74
269	LZ mile		4	0	.973	0	5.439	0	-14.74 -16.261
270			5	0	.973	Ŏ	5.439		
271	2	M55	1	0	.968	0	5.214	0	7,428 5,916
272	343		2	0	.968	0	5.214	0	
273		V	3	0	.968	0	5.214	0	4.403 2.891
274	V. P.	11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	4	0	.968	0	5.214	0	
275	100 min.C		5	0	.968_	0	5.214	0	1.378
	2	M56	1	0	1.182	0	5.217	0	8.062
277	2.25		2	0	1.182	0	5.217	0	6.215
278			3 - 3	0	1.182	0	5.217	. 0	4.368
279			4	0	1.182	0	5.217	0	2.521
280	300		5	0	1.182	0	5.217	0	674
281	2	M57	1	0	1.55	0	4.589	<u>0</u>	7.167
282		\$150.00 pp. 100.000	- 2	- 0	1.55	0	4.589	0	4,744
283			3	0	1.55	0	4.589	0	2.322
284		SECTION SECTION	4	0	1.55	0	4.589	0 2	-(1
285			5	0	1.55	0	4.589	0	-2.522
286	2	M58	實際的學生	80 0	1.187	0	5.263	0	1.627
287			2	0	1.187	0	5.263	0	-,227
288		Severa e s	3	0	1.187	0	5.263	0	-2.082
289			4	0	1.187	0	5.263	0	-3.936
290	36.5		5	0	1.187	0	5.263	0	-5.791
291	2	M59	1	0	.749	00	5.506	0	-1.78
292			2	0	.749	0	5.506	0	-2.951
293			3	0	.749	0	5.506	0	-4.122
294			14 G 4 T	€0	.749	0	5.506	0	-5.292
295			5	0	.749	0	5.506	0	-6.463
	2	M60	1	0	.164	§ 0	5.758	0	-2.615
297			2	0	.164	0	5.758	0	-2.872
298	0.5	3.600.65.34.8	3	0	.164	0	5.758	0	-3.128
299			4	0	.164	0	5.758	0	-3.385
300			5	0	.164	0-	5.758	0	-3.641
301	2	M61	1	0	131.44	0	0	0	0
302	6.20 U.S. (5.51 A.S.	Control Control and Alberta Technology	2	0	130.36		0	0	-98.175
303	27	7-1-1-1 1-3 1-1 1-3 1-1 1-3 1-1 1-3 1-1 1-3	3	0	129.28	0	0	0	-195.54
304	,		4	0	128.2	0	0	0	-292.096
305			5	0	127.12	0	0	0	-387.841
306	2	M62	and American	○ 0	125.246		5.803	0	=382.65
307			2		123.086	0	5.803	0	-568.898
308			3	Ŏ	120.926		5.803	0	-751.906
309		January Steen Star Taga St.	4		118.766		5.803	0	-931.674
310	4.XX	92.74545-11.42155	- 5		116.606		5.803	0	-1108.202
311	2	M63	1		116.606		-3.416	0	-1108.212
312	¥ %		2		114.446		-3.416	0	-1281.501
313		* · · · · · · · · · · · · · · · · · · ·	3	0	112.286		-3.416	0	-1451.549
314			4	l ŏ -	110.126		-3.416	Ö	-1618.358
315	1 - 170	F10 2000 10 800 1 10 10 10 10 10 10 10 10 10 10 10 10	5	0	107.966		-3.416	0	-1781.926
316	ာ	M64	eza j		103.268		14.125	0	-1777.05
317	-2	IVIO	2	0	100.568		14.125	0	-1968.145
318	5929	Setting of Coloradors	3		97.868		14.125	Ö	-2154.178
	1 4-7	e nakonajajan jako bile bisto		0	95.168		14.125	0	-2335.149
319	33.6		4 5	0	92.468		14.125	0	-2511.057
320	- C - C	NACE	1	i	92.468		-11.987	0	-2511.068
	2	M65	2	0	89.768		-11.987	0	-2681.913
322	1350	· · · · · · · · · · · · · · · · · · ·	3	0	87.068		-11.987	0	-2847.696
323		1	<u> </u>	<u></u>	טטט. זטו		11.007	· · · ·	20.11.000

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

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wen	we	er Section	rorces (E						
	LC	Member Label	Sec		y Shea	z Shear[k]	Torque[k-ft]	一元のの他のからからいの。	z-z Moment[k-ft]
324		\$5.50 Sec. 10.50	4		84.368	0	-11.987	0	-3008.416
325			5		81.668	0	-11.987	0	-3164.074
326	2	M66	1	0	73.628	0	19.886	0	-3160.033
327			2	0	70.928	0	19.886	0	-3295.554
328	86		- 3		68.228		19.886	0	-3426.013
329			4		65.528	0	19.886	0	<u>-3551.409</u>
330			5		62.828		19.886	0	-3671.743
331	2	M67	1		62.828		-18.295	0	-3671.751
332		10	2		60.128		-18.295	0	-3787,022
333			3		57.428	00	-18.295	0	-3897.231
334	5.70		4	0	54.728	0	-18.295	0	-4002.377
335			5	0	52.028	0	-18.295	0	-4102.461
336	2	M68	1	0	42.107	0	23.166	0	-4099.818
337		·	2	0	39.407	0	23.166	0	-4176.237
338	5760 1274		3	0	36.707	0	23.166	0	-4247,593
339			4	0	34.007	0	23.166	0	-4313.887
340	ž0	a - 第二条 15 条 15	5	0	31.307	0	23.166	· 0	-4375.118
341	2	M69	1	0	31.307	0	-22.33	0	-4375.122
342	急生		2	0	28.607	0	-22.33	0	-4431.291
343			3	0	25.907	0	-22.33_	0	-4482.397
344		GARAGO OF EST	4	0	23.207	0.0	-22.33	0	-4528.441
345			5	0	20.507	0	-22.33	0	-4569.423
346	2	M70	4 1	0	9.659	0	23.904	0	-4568.544
347	Ì		2	0	6,959	0	23.904	0	-4584.123
348	꽳		3	0	4.259	0	23.904	0	-4594.639
349			4	0	1.559	0	23.904	0	-4600.093
350	MS.	A SECTION SEC	5	0	-1.141	. 0	23.904	0	-4600.484
351	2	M71_	1	0	-1.141	0	-23.935	0	-4600.484
352	788	\$5.00 (AVAILABLE (2010)	2	0	-3.841	0	-23.935	- 0	-4595.813
353		-	3	0	-6.541	0	-23.935	0	-4586.08
354			4	0	-9.241	0	-23.935	0	-4571.284
355	İ		5	0	-11.941	0	-23.935	0	-4551.425
356	2	M72	10001	⊙ 0 ≈	-22.756	0	22,124	0	-4552.436
357			2	0	-25.456	0	22.124	0	-4507.236
358			3	0	-28.156	0	22.124	0	-4456.975
359	-		4	0	-30.856	0	22.124	0	-4401.651
360			5	0	-33.556	0	22.124	0	-4341.264
361	2	M73	1	0	-33.556	0	-23.02	0	-4341.26
362			2	0	-36.256	0	-23.02	0	-4275.811
363			3	0	-38.956	0	-23.02	0	-4205.3
364			4	0	-41.656	0	-23.02	0	-4129.726
365			5	0	-44.356	0	-23.02	0	-4049.09
366	2	M74	1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · 0	-54.179	0	17.925	0	-4051.847
367			2	0	-56.879	0	17.925	0	-3947.73
368	3.5		3	0	-59.579	0	17.925	0	-3838.55
369			4	.0.	-62.279	. 0	17.925	0	-3724.309
370	Trope		5	0	-64.979	0	17.925	0	-3605.004
371	2	M75	1	0	-64.979	0	<i>-</i> 19.562	0	-3604.996
372	OW.	50000000	2	0	-67.679	0	-19.562	0	-3480.629
373			3	0	-70.379	0	-19.562	0	-3351.2
374		700000000000000000000000000000000000000	4	0	-73.079	0	-19.562	0	-3216.709
375			5	0	-75.779	0	-19.562	0	-3077.155
376	2	M76	3, 1	0	-83.665	- 0	11.464	0	-3081.277
377			2	0	-86.365	0	11.464	0	-2921.874
378	à		3 💝	0	-89.065	0	11.464	0.55	-2757.408
379			4	0	-91.765	0	11.464	00	-2587.88
380	100		5	0	-94.465	0	11.464	0	-2413.29

: Calderwood Engineering: Eric Calderwood: 053-br-12 ER-BRF 015-1(23)

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						ion) (Cont		v v Momont	z-z Moment[k-ft]
		Member Label	Sec		y Shea			y-y Moment	-2413.279
	2	M77	1	0	-94.465	0	-13.631	0	-2233.626
382		0.000	2	0	-97.165	0 0	-13.631		
383			3	0	-99.865	0	-13. <u>631</u>	0	-2048.912
384	33	PER PERCE	4	0	-102.565		-13.631	0	-1859.134
385			<u> </u>	0	-105.265		-13.631	0	-1664.295
386	2	M78	4.4	0	-109.647	0	2.778	0	-1669 <u>.204</u>
387			2	0	-111.618	0	2.778	0	-1517.804
388	200	C10.8423384578	3	0	-113.589	0	2.778	0	-1363,708
389	10.44.00		4	0	-115.559		2.778	0	-1206.914
	-30%		5	0	-117.53	Ö	2.778	0	-1047.424
390	000	8470	1	0	-117.53	0	-5.171	0	-1047.415
391		M79			119.501		-5.171 -5.171	Ö	-885.229
392	32	128 24 (-100), 150 (-1)	2					-	-720.346
393			3	0	-121.471		-5.171	0	
394			4	0	-123.442		-5.1 <u>71</u>	0	-552.766
395			5	0	-125.412		-5.171	0	-382.489
396	2	M80	1.00	0	-127.13	0	0	0	-387.682
397			2	0	-128.21	0	0	0	-291.975
398	sizi		3		-129.289		0	0	-195.459
399	14,155	and the second s	4	0	-130.369		0	0	-98.134
400	19994	015100001140140101000000000000000000000	5		-131.448		0	Ō	0
400		1104			122.759		0	0	0
	2	M81	1	0			0	Ŏ	-90.853
402	65.6	40.000000000000000000000000000000000000	2	0	121.632				-180.868
403			3	0	120.506		0	0	
404			4	0 €	119.379		0	0	-270.045
405			5	0	118.253	0	- 0	0	-358.385
406	2	M82	1	0	116.604	.0	5.158	0	-358.407
407	_		2	0	114.351	0	5.158	0	-530.121
408	117.64		3	0	112.098	0.500	5.158	0	-698.486
409	1		4	0	109.845		5.158	0	-863.5
	<i>3</i> 1%		5	0	107.592		5.158	0	-1025.164
410		1100			107.592		-3.37	0	-1025.172
411		M83	1	0				0	-1183.486
412	1000	2. 2. O. 4. 38. 4	2	0	105.34		-3.37		
413			3	0	103.087		-3.37	0	-1338.451
414	(C)		4	0.0	100.834		-3.37	0.	-1490.066
415			5	0	98.581		-3.37	0	-1638.331
416	2	M84	1	0	95.418	0	12.789	0	-1638.393
417			2	0	92.602	0	12.789	0	-1813.135
418		AND SERVICE OF SERVICE	. 3	0 -	89.786		12.789	0	-1982.642
419		7.4.111.00.00.00.00.00.00.00.00.00.00.00.00	4	0	86.97	0	12.789	0	-2146.915
18 - 2 2 2 2 - 2 2 - 2 2	20		5	0	84.154		12.789		-2305.954
420	2	M85	1	0	84.154		-11.19	0	-2305.962
		COIVI	2				-11.19	0	-2459.766
422	1086			0	81.338				-2608.336
423	ļ	No Color Research	3	0	78.522		-11.19	0	-2008.336 -2751.672
424	1998	GOANN GREET	4	0	75.706		-11.19	<u>0</u>	
425	\perp		5	0	72.89		-11.19	0	-2889.773
426	2	M86	1	0	68.006		18.033	0	-2889.822
427			2	0	65.19	0	18.033	0	-3013.611
428	777		3	0	62.374		18.033	0	-3132.166
429			4	0	59.558		18.033	0	-3245.487
430		California de la companya de la companya de la companya de la companya de la companya de la companya de la comp	5	Ŏ	56.742		18.033	0	-3353.573
		M87	1	0	56.742		-16.839	0	-3353.579
431		IVIO /	2				-16.839	0	-3456.431
432		-वर्ष्यायः प्राप्तिकृतिकृतिकृतिकृतिकृति		0	53.926				-3554.049
433		FILE NAMES INDEED OF	3	0_	51.11		<u>-16.839</u>	0	
434			4	0	48.294		-16.839		-3646.432
435			5	0	45.478		<i>-</i> 16.839	0 _	-3733.581
436	12	M88	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	39.377		21.031	0	-3733.608
430					36.561	0	21.031	0	-3804.184

: Calderwood Engineering: Eric Calderwood: 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:35 PM Checked By:_

<u> Mem</u>	<u>be</u>	<u>r Section</u>	Forces (E	sy Con	<u>nomati</u>	ion) (Cont	<i>mueu)</i>		
	ıc	Member Label	Sec	Axial[k]	v Shea	z Shear[k]	Torque[k-ft]	y-y Moment	z-z Moment[k-ft]
438			3		33.745	0	21.031	0	-3869.525
	3215	skut in kralik naufin in session i	4		30.929	0	21.031	0	-3929.632
439	2002	Harries Sales Sins	5		28.113	Ŏ	21.031	0	-3984.505
440	902	1400			28.113	0	-20.402	0	-3984.508
	2	M89	1			0	-20.402	Ŏ	-4034.146
442	9.02		2		25.297		-20.402 -20.402	0	-4078.55
443			3		22.481	0		0	-4117.72
444	95	Thus he sorted in the or	4		19.665	0	-20.402		-4151.656
445			5		16.849	0	-20.402	0	
446	2	M90	1	0	10.241	0	21,752	0	-4151.665
447			2	0	7.425	0	21.752	0	-4168.084
448	355	3 % S 35 10 0	3	0	4.609	0	21.752	0	-4179.269
449	-4-14	1.2.5	4	0	1.793	0 -	21.752	0	-4185.219
450	ękky.	25 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5		-1.023	0	21.752	0	-4185.936
	2	M91	1	0	-1.023	0	-21.776	0	-4185.936
		IVIÐ I	2	Ö	-3.839	0	-21.776	0	-4181.418
452	TOTAL S	to and and part of the first of		0	-6.655	0	-21.776	0	-4171.666
453	F (1, 192)	Ly (#50.95%) (New Yorks) (#56.955	3			0 0	-21.776	-00	-4156.68
454		· 古在42个人是完全的第三人员	4	0	-9.47 -12.286		-21.776	0	-4136.46
455	Service Co.		5	0		0		0 0	-4136.45
456	2	M92	# 15 T	0	-18.878	0	20.223	0	-4098.744
457			2	0	-21.694	0	20.223	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-4055.804
458	. (5		3	-0	-24.51	0	20.223	0.0	
459			4	0	-27.326	0	20.223	0	<u>-4007.63</u>
460		1 42 1 1 1 1	5	0	-30.142	0	20.223	70 O	-3954.221
461	2	M93	1	0	-30.142	0	-20.896	0	-3954.218
462			2	0	-32.958	0	-20.896	0	-3895.575
463	405.6		3	0	-35.774	0	-20.896	0	
464	82.93	CONTROL OF THE	4	0	-38.59	0	-20.896	0	-3762.587
465	35.50	1 Sept. Management of the section of	5	0	-41.406	0	-20.896	0	-3688.242
400	100	M94	ars of Armer	l ő	-47.449	0	16.51	0	÷3688,213
466	4	VIS4	2	0	-50.265	0	16.51	0	-3597.4
467	4000	100,000,000	2	Ö	-53.081	ŏ	16.51	0	-3501.353
468	9/8/8	1 2014 64 65 65 65 65 65			-55.897	0	16.51	0	-3400.072
469	0.055	weet, or a rest of events, sin	4	0	-58.713	0	16.51	0	-3293.557
470	135	. 1000 1000 1000 1000 1000	5	0				0	-3293.55
471	2	M95	1	0	-58.713	0	-17.739	0	-3181.801
472	Q.	A No. Crop.	2	0	-61.529	0	-17 <u>.739</u>		-3064.817
473			3	0	-64.345	0	-17.739	0	-3004.017
474	122	Marchart 200	4	.0	-67.161	. 0	-17.739	0	
475			5	0	-69.977	0	-17.739	0	-2815.148
476	2	M96	a Davisina Stanious	0	-74.733		10.72	0	-2815.096
477	1		2	0	-77.549	0	10.72	0	-2673.569
478			3	0	-80.365	0	10.72	0	-2526.807
479	11.00.00	y approximately a server than the server to be a se	4	0	-83.181	0	10.72	0	-2374.812
480	17.8%	8 85 C 5 26 C 7 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5	5	0	-85.997		10.72	0	<u>-2217.581</u>
	2	M97	1	0	-85.997		-12.34	0	-2217.573
		IVLU I	2	0	-88.813		-12.34	0.00	- <u>2055.109</u>
482	1.476		3	0	-91.629		-12.34	0	-1887.411
483	120	0 150 194 ASS (\$150 540 440 4		0	-94.445		-12.34	Ŏ	-1714.479
484			4		-97.261		-12.34	0	-1536.312
485		100 400 00 & Carl 2 am 6 5 5	5	0				0	-1536.25
486	2	M98	<u> </u>	0	-100.27		2.784		-1398.823
487	1		2	0_	-102.32		2.784	0	-1398.023 -1258.607
488		Note the state of the state of	3	0	-104.38		2.784	0	
489			4	0	106.43		2.784	0	-1115.602
490		SET BEST	5	- 0	-108.49		2.784	0	-969.81
491		M99	1	0	-108.49		-4.576	0	-969,803
492			2	0	-110.55	0 ===	-4.576	0	-821.222
493			3	0	-112.60		-4.576	0	-669.854
494			4	0	-114.66		-4.576	0	<u>-515.696</u>
454	ा ।	 4.1-16. (1994), (1994) 663(N)(6) 	1 x 200 (2000 1 x 20 0) xx	STATE OF STATE					·

: Calderwood Engineering: Eric Calderwood: 053-br-12 ER-BRF 015-1(23)

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July 21, 2013 1:35 PM Checked By:

		<u>r Section I</u>			y Shea	z Shear[k]	Torque[k-ft]_	v-v Moment	z-z Moment[k-ft]
	<u>.C </u>	Member Label	Sec	Axiai[k]	-116.716	2 Sileatini 0	-4.576	0	-358.751
495	2	N4400	3	0	-118.43	0 0	0.0	o o	-358.734
496	2	M100			-119.556	0	0	0	-270.306
497	way .	00.2030000024004404000	2		120.681	0	0	0	-181.041
498	994	Ship white (25)	3		-121.807		0	0	-90.939
499	S.431	Western and the second	4	0_	-121.807 -122.933	0 0	0	Ö	Ô
500	24		5 4		120.248		0	0	0
	2	M101	1	0		0		0	-88.211
502	32/04		2		119,131	0		0	-175.6
503			3	0	118.015	<u>0</u> 0	0	0	-262 165
504	100		4	0	116.898				-347.908
505		AN AND THE PART	5	0	115.781	0	0	0	-348.573
506	<u>2 </u>	M102	<u> </u>	0	113.832	0	5.01		-514.716
507			2	0	111.599	0	5.01	0	-677.567
508			3	0	109.366	0 0	5.01		-837.127
509			4	0_	107.133	0	5.01	0	-993.395
510		NEWS STATES	5 - 5	0	104.9	0	5.01		-993.393 -993.402
	2	M103	1	0	104.9	0	-3.255	0	-993.402 -1146.378
512	14		2	0	102.667	0	-3.255		-140.376
513		7 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	3	0	100.434	0	-3.255	0	-1442,457
514			4	0	98.201	0	-3.255	0	-1585.559
515			5	0	95.967	0	-3.2 <u>55</u>	0	-1586.248
516	2	M104	1	0	92.215		12.351	0	-1753.582
517		1 945 an 2011 and 1 1 1 1 1	2	0	89.423	0	12.351	0	-1733.362
518			3	0	86.632	0	12.351	0	-2072.821
519	7117.	State Carlot ANCIONA	4	0	83.841	0	12.351	0	-2224.726
520			5	0	81.049		12.351		-2224.734
	2	M105	1 1	0	81.049		-10.783	0	-2224,734 -2371,495
522		MEXISTER SECTIONS	2	0	78.258		-10.783		-2513.113
523	*****		3	0	75.467	0	-10.783	0	-2649,588
524			4	0	72.675		-10.783		-2780.92
525	01.00		5	0	69.884	0	-10.783 17.328	0	-2781.385
526	2	M106	4613.6	0	65.08	0			-2898.722
527	S. Statutaria		2	0	62.288		17.328	0	-3010,917
528			3	0	59.497		17.328		-3117.968
529	79.7	word Wasses the Company of the Com-	4	0	56.705		17.328	0	-3219.876
530			5	0	53.914		17.328	0	-3219.882
	2	M107	1	<u> 0</u> _	53.914		-16.155	0	-3316.647
532			2	0	51.123		-16.155	0	-3408.269
533	2545a	2006/800 to 000 to 000 800 800 800 800 800 800 800 800 80	3	0	48.331		-16.155	.0	-3494.748
534	dVE.		4		45.54		-16.155 -16.155	0	-3576.083
535			5	0	42.749		20,134	0	-3576.363
536	2	M108	1	0	37.705		20.134	0	-3643.263
537	tehrt	TO THE MEMORIAL ROOMS	2	0	34.914		20.134	0 10 mm	-3705.019
538	5539.	2011 Jack 12 18 18 18 18 18 18 18 18 18 18 18 18 18	3	0	32.122		20.134	0	-3761.633
539	17.6%	veresion-secretaris.	4 5	0	29.331 26.539		20.134	0	-3813.103
540		84400		0	26.539		-19.516	0	-3813.106
541		M109	1 2	<u>0</u> 0	23.748		-19.516 -19.516	Ö	-3859.434
542	300				20.957		-19.516	0	-3900.618
543	Aller.		<u>3</u> 4	0	18.165		-19.516	0	-3936. <u>659</u>
544	\$100°		5	0	15.374		-19.516	0	-3967.557
545	^	ONNA	3 	0	10.203		20,795	0 0	-3967.647
546	2	M110	2	0	7.411	0	20.795	0	-3983.874
547	37		3	0	4.62	0	20.795	Ŏ	-3994.958
548	gare.	President beweite Askerna	4	0	1.829		20.795	0	-4000.898
549	1995	25 A 10 1 4 1 5 1 1 1 1 5 1	5	0	963		20.795	i o	-4001.696
550 551	7	R4444	1	0	963		-20.818	0	-4001.696
551	2	M111	<u> </u>	1 0	1503	U	1 -20.010		1.0011.000

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

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,,,,,,,,			rorces (L		·· Ob	4,,,-3	Torque[k-ft]	v v Moment	z-z Moment(k-ft)
(FEO)		Member Label	Sec 2	Axial[k]	-3.754	z Shear[k] 0	-20.818	y-y Montent	-3997.351
552		HERMAN SERVICE SERVICE SERVICES	3	0	-6.546	0	-20.818	0	-3987.862
553	565	SSECTION CONTRACTOR	4	0	-9.337	0	-20.818	Ö	-3973.23
554	MAY.		5	0	-12.128	0	-20.818	0	-3953.456
555		M112	1		-17.294	0	19.348	ŏ	-3953.352
556	Z	. WHZ	2	0	-20.085	0	19.348	0	-3918.916
557	-Ext	1903 (1900 1888 0002) (19	3	0	-22.877	0	19.348	0	-3879.338
558		Mary and Mary and the			-25.668	0	19.348	0	-3834.616
559	: FELLS	tota eldan elmakidakinis	4	0	-28.459	0	19.348	0	-3784.751
560	9.5	B 8 4 4 O	5		-28.459	0	-20.009	0	-3784.748
561	2	M113	1 2	0	-31.251	0.00	-20.009	0	-3729.74
562	gava.				-34.042	0	-20.009	0	-3669.589
563	500 N	NAME OF SUPPLISHINGS	3 4	0	-36.834		-20.009	0	-3604.295
564				· · ·	-39.625	0	-20.009	0	-3533.858
565	100	A PROTECTION OF SAID COST	5	0	-44.652	0	15.844	0	-3533.565
566	Z	M114			-47.443	0	15.844	0	-3448.723
567	Matri-	real state section of the	2	0	-50.235	· 0	15.844	0	-3358.738
568	748E		3		-53.026	0	15.844	0	-3263.609
569	£18397		5	0	-55.817	0 0	15.844	0	-3163.337
570		B4445			-55.817	0	-17.051	0	-3163.331
571	2	M115	1 2	0	-58.609	0	-17.051	0	-3057.917
572	3722				-61.4	0	-17.051	0	-2947.359
573	1200-12		3	0	-61.4 -64.191	0	-17.051	0	-2831.658
574	1023		4		-66.983		-17.051	0	-2710.814
575	1240	USCONT FOR MAKE	5	0	-71.752	0	10.335	0	-2710.336
576	2	M116	CARACTERISTICS NO. 1 STATES OF	0					-2575.562
577	day.		2	0	-74.543 -77.335	0	10.335	0	-2373.502 -2435.644
<u>578</u>	\$3.5		3	0	- <i>11.</i> 335	0	10.335	0	-2290.583
579	7-14-7		4	0		<u>0</u> 0	10.335	0	-2140.379
580		11111	5	0	-82.918 -82.918		10.335	0	-2140.379
581	2	M117	1	0	-85.709	0	-11.922 -11.922	0	-1985 025
582	7000	Parker Salah VIII	2	0					-1824.535
583	1984.00		3	0	-88.5	0	-11.922 -11.922	0	-1658.902
584	100	58578408045455596	4	0	-91.292				-1488.126
585			5	0	-94.083 -97.703	0	-11.9 <u>22</u> 2.687	0	-1487.419
<u>586</u>	2	M118	1	0			2.687	0	-1354.662
587	Q-123-1		2	0	-99.74 -101.777	0	2.687	0	-1219.165
588	2198	2000 2000 200	3	0	-103.814		2.687	0	-1080.928
589	14.55	272.004.65004.78000	4	0	-105.852		2.687	0	-939.952
590	200	14446	5	0				0	-939.945
591		M119	1		-105.852 -107.889		-4. <u>447</u>	0	-939.945 -796.229
592	1855		2		107.889		-4.447 -4.447	0	-649.773
593	192.30	100 Y 6 N 20 A 1 (10 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	3	0	-111.964		-4.447	0	-500.578
594	1233		4	0				1	-348.642
595	3,413		5	0	-114.001		-4.447	0	-347.996
<u>596</u>	2	M120	1	0	-115.869		0		-262.23
597	1	. gurgadita etili 1940	2	0	-116.985		0	0	-202.23 -175.642
598		Marsa di Maria di Al	3	0	-118.101		0		-88.232
599		Maring a professionary of the window	4	0	119.217		0	0	The second secon
600			5	<u>0</u>	-120.333		0	0	0
601		M121	1	0	84.577	0	0	0	-61.412
602			2	0	83.558		0		-122.079
603			3	0	82.539	0	0	0	
604		400 (0 N. N. S. S.)	4	0	81.52	0	0	0	-182.002 -241.181
605			5	0	80.501		0	0	-241.181
606	2	M122	1	0	79.482		3.119	0	-240.508
607		Approximation and the second	2	0	77.444		3.119	0	-355.142
608	1.2		3	0	75.405	0	3.119	0	-466,798

: Calderwood Engineering: Eric Calderwood: 053-br-12 ER-BRF 015-1(23)

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***	er Section							Marsanille ft)
	Member Label	Sec	Axial[k]		z Shear[k]	Torque[k-ft]	· · _	z-z Moment[k-ft]
609		4		73.367	0	3.119	0	-575.477
610		5	0	71.329	0	3.119	0 - 3	-681.177
611 2	M123	1	0	71.329	0	-2.548	0	-681.18
612		2		69.291	0	-2.548	0	-783.903
613	E Numbrie State Communication (State Communication Communi	3		67.253	0	-2.548	0	-883.649
		4		65.215	Ŏ	-2.548	0	-980.417
614	1			63.177	0	-2.548	0	-1074.207
615	1 N. 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5			0	8.068	o o	-1073.59
616 2	M124	2.1		63.887				-1187.937
617	111111111111111111111111111111111111111	2		61.339	0	8.068	0	
618		3		58.791	0	8.068	0	-1297.631
619		4		56.244	0	8.068	0	-1402.673
620		5	0	53.696	0	8.068	0 -	-1503.061
621 2	M125	1	0	53.696	0	-7.562	0	-1503.064
622	12.5	2		51.149	0	-7.562	0	-1598.8
623	3 1 2 3 1 2 3 1 2 3 1 3 1 3 1 3 1 3 1 3	3		48.601	0	-7.562	0	-1689.884
624		4		46.053	Ö	7.562	0	-1776.315
	 Months of the state of the stat	5		43.506	0	-7.562	Ŏ	-1858.093
625	- CONTRACTOR) 1		45.568	0	11.385	0	-1857.701
626 2	M126					11.385	0	-1938.594
627	a constant for the second second	2		43.021	0		0	-2014.834
628		3		40.473	0	11.385		-2086.422
629		4		37.926	0	11.385	0	
630	Start Cons	5		35.378	0	11.385	0	-2153.357
631 2	M127	1	0	35.378	00	-11.007	0	-2153.359
632		2	0	32.83	0	-11.007	0.0	-2215.642
633		3	0	30.283	0	-11.007	0	-2273.272
634		4		27.735	0	-11.007	0	-2326,249
635	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5		25.188	0	-11.007	0	-2374.574
	M128			27.522	Ŏ	13.296	0	-2374.358
636 2	IVI 1ZO			24.974	0	13.296	0	-2422.293
637	an organis we dispressing the arrangement were	2				13.296	0	-2465.576
638		3		<u> 22.427</u>	0			-2504.207
639		4		19.879	0	13.296	0	
640	g igile ega da dagan en	5		<u> 17.331</u>	0	13.296	0	-2538.185
641 2	M129	1		17.331	0	-13.098	0	-2538.186
642		2	0	14.784	0	-13.098	0	-2567:511
643		3	0	12.236	0	-13.0 <u>98</u>	0	-2592.183
644	en detent ettestellere statole Richard Statistics	4	0	9.689	0	-13.098	0	-2612.204
645		5	0	7.141	0	-13.098	0	-2627.571
646 2	M130	1	l o	9.564	0	13.827	0	-2627.505
647	INTO CO	2	0	7.017	0	13.827	0	-2642.645
640		3	0	4.469	0 0	13.827	0.00	-2653.133
648		· · · · · · · · · · · · · · · · · · ·	·	1.922	0	13.827	0	-2658.969
649		4	0		0	13.827	0	-2660 152
650		5		626		-13.835	0	-2660.152
651 2	M131	1	0	626	0		0	-2656.682
652	a description of a second	2	0 -	-3.174		-13.835		
653		3	0	-5.721	0	-13.835	0	-2648.56
654		4	0	-8.269		-13.835	0	<u>-2635.785</u>
655		_ 5	0	-10.817	0	-13.835	0	-2618.358
656 2	M132		0	-8.396	0	12.995	0	-2618.434
657		2	0	-10.944	0	12.995	0	-2600.774
658		3	0	-13.491	0	12.995	0	-2578:462
659		4	0	-16.039	0	12.995	0	-2551.497
	B AYONG NAMED IN	5	ŏ	-18.587	0	12.995	Ŏ	-2519.88
660	BAAOO	1		-18.587	0	-13.208	0	-2519.879
661 2	M133		0	-21.134	0	-13.208	Ŏ	-2483.609
662		2	0 -					-2443.009 -2442.687
663	61 108,600, 1, 1, 2, 4	3	0	-23.682		-13.208	0	
664		4	0	-26.229		-13.208	Ŏ	-2397.112
665		5	0	-28.777	00	-13.208	0	-2346.884
	•							

Company Designer

: Calderwood Engineering: Eric Calderwood: 053-br-12 ER-BRF 015-1(23) Job Number

Jamaica Vermont

July 21, 2013 1:35 PM Checked By:

Wempe	<u>r Section</u>	Forces (E	y Con	IDIIIat	ion) (Cont		**	
LC N	Member Label	Sec	Axial[k]		z Shear[k]	Torque[k-ft]	The State of the Contract of t	z-z Moment[k-ft]
666 2	M134	1	0	-26.453	0	10.811	0	-2347.111
667		2	0	-29.001	0	10.811	0	-2296.475
668		3	0	-31.548	0	10.811	0	-2241.186
669		4	0	-34.096	0	10.811	0	-2181.245
670	500 - 5000 - 500	5	0	-36.644	0	10.811	0	<u>-2116.651</u>
671 2	M135	1	0	-36.644	0	-11.2	0	-2116.649
672	4-14-14-14-14-14-14-14-14-14-14-14-14-14	2		-39.191	Ŏ	-11.2	0	-2047.402
673	helium de regione de la region de la region de la region de la region de la region de la region de la region de	3	0	-41.739	0	-11.2	0	-1973.503
	CALL SAFE SAFE	Ă	Ö	-44.286	Ö	-11.2	0	-1894.952
674	(6) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	5	0	-46.834	0	-11.2	0	-1811.748
675	NAGO	50.56. 1 30.09	0	-44.802	- 0.000 A	7.27	Ŏ	-1812.154
676 2	M136	1		-47.349	0	7.27	0	-1728.008
677	Personal Superior Actions	3	0	-49.897	0	7.27	0	-1639.21
678			0	-52.445	0	7.27	0	-1545.76
679		4	0_	-54.992	0	7.27	Ö	-1447.657
680		5	0				}	-1447.654
681 2	M137	1	0_	-54.992	0	-7.784	0	-1344.898
682		2	0	-57.54	0	=-7.784 7.784		-1237.49
683		3	0	-60.087	0	<u>-7.784</u>	0	
684		4	0	-62.635	0	<u>-7.784</u>	0	-1125.43
685		5	0	-65.183	0	-7,784	0	<u>-1008.717</u>
686 2	M138	Mary of Case	0 %	-64.634	a. 0	2.161	0	=1009.35
687		2	0	-66.494	0	2.161	0	-921.959
688		3	0	-68.353	0	2.161	0	-832.09
689		4	0	-70.213	0	2.161	00	-739.742
690	entralia (no especiale) en la companio de la companio de la companio de la companio de la companio de la compa	5	0	-72.072	0	2.161	0	-644 <u>.915</u>
691 2	M139	1	0	-72.072	0	-2.733	0	-644.913
692		2	0	-73.931	0	-2.733	0.00	-547.608
693	Heron States of Common S	3	0	-75.791	0	-2.733	0	-447.825
694		4	i o	-77.65	5 0 0 °C	-2.733	0	-345,564
695	200 (191 191 192 199 (1914) 19 19 19 19 19 19 19 19 19 19 19 19 19	5	0	-79.51	0	-2.733	0	-240.824
696 2	M140	Section 1	Ö	-80.646	Ö	0	0	-241.486
	101140	2	0	-81.665	0	0	0	-182.23
697	nin et e se materia, vas	3	0	-82.684	7 9 0	* 0 ° °	Ö	-122.231
698	order the control of the second second second		0	-83.702	0	0	0	-61.487
699	de e les freiensages du train	4	6	-84.721	0	0	0	0
700	8.64.44	5		82.189		0	0	0
701 2	M141	1	0			Ö	o -	-59,14
702	<u>William Milaburi</u>	2	0	81.179			0	-117.548
703	W-16-1603 (19-16-16)	3	0	80.169		0	0 0 0 0 0 0	-175.225
704		4	0	79.159				-232.171
705	Section of Mining Assets	5	0	78.149		0	0	-232.171
706 2	M142	1.50	0	77.07		3.019	0	
707		2	0	75.05	0	3.019	0	-342.075
708		3	0	73.03	0	3.019	0	-449.284
709		4	0	71.01	0	3.019	0	-553.569
710		5	0	68.99	0.0	3.019	0	-654.929
711 2	M143	1	0	68.99	0	-2.43_	0	-654.931
712		2	0	66.97	0	-2.43	0	-753.366
713		3	0	64.95	0	-2.43	0	-848.876
714		4	0	62.93	0.0	-2.43	0	-941.462
715	· · · · · · · · · · · · · · · · · · ·	5	0	60.91	0	-2.43	0	-1031.122
716 2	M144	i i	Ö	61.535		7.746	0	-1030.953
717	INT. 1 TT	2	0	59.01	0	7.746	0	-1140.046
718	ences de constitui	3	Ö	56.485		7.746	0	-1244.569
719	ent of the section of	4	0	53.96	0	7.746	0	-1344.522
		5	Ö	51.435		7.746	0	-1439.904
720	NA4 AC	1	0	51.435		-7.227	0	-1439.907
721 2	M145	2	0	48.91		-7.227	Ö	-1530.719
722	replace the Andrews Co. T.	<u> </u>	PERMUTER	140.81	<u>al processo Optické sí</u>	1	<u> </u>	A CONTRACTOR OF THE PROPERTY O

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:35 PM Checked By:

T23	LC	C Member Label	Sec	Axial[k]	v Shea	z Shear[k]	Torque(k-ft)	y-y Moment	z-z Moment[k-ft]
T24			7					1* *	
T25			· · · · · · · · · · · · · · · · · · ·					188 n 288	
T2E 2									
T27		M146							
T28			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 					
Type									
730 5 0 33.438 0 10.872 0 -2054.292 731 2 M147 1 0 33.438 0 -10.49 0 -2054.292 733 3 0 28.398 0 -10.49 0 -2166.199 734 4 0 25.864 0 -10.49 0 -2215.297 735 5 5 0 23.339 0 -10.49 0 -2259.825 736 2 M148 1 0 26.378 0 12.652 0 -2259.825 737 2 0 23.863 0 12.652 0 -2305.242 738 3 0 21.328 0 12.652 0 -2346.131 739 4 0 18.263 0 12.652 0 -2346.131 740 5 0 16.278 0 12.652 0 -2414.196 741		a constitution of contribution of the							
731 2 M147 1 0 33.438 0 -10.49 0 -2112.531 732 2 0 30.914 0 -10.49 0 -2112.531 733 3 0 28.389 0 -10.49 0 -2215.297 736 4 4 0 25.864 0 -10.49 0 -2259.252 736 2 M148 1 0 26.378 0 12.652 0 -2259.264 737 2 0 23.853 0 12.652 0 -2305.422 738 3 0 21.2652 0 -2364.613 1 739 4 0 18.803 0 12.652 0 -2382.449 740 5 0 16.278 0 12.452 0 -2414.196 741 2 M149 1 0 16.278 0 -12.452 0 -2414.197		e vaa viiduudikan oo oo o		· · · · · · · · · · · · · · · · · · ·					
732 2 0 30.914 0 -10.49 0 -2112.531 733 3 0 28.389 0 -10.49 0 -2166.199 734 4 0 25.864 0 -10.49 0 -2215.297 735 5 0 23.339 0 -10.49 0 -2259.825 736 2 M148 1 0 26.378 0 12.652 0 -2259.784 737 2 0 23.853 0 12.652 0 -2305.242 738 3 0 21.328 0 12.652 0 -2346.131 739 4 0 18.803 0 12.652 0 -2446.131 741 2 M149 1 0 16.278 0 12.452 0 -2441.4197 741 2 M149 1 0 16.278 0 12.452 0 -2441.4197 7		N44.47	·						
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734 4 0 25.864 0 -10.49 0 -2215.297 735 5 0 23.339 0 -10.49 0 -2259.825 737 2 0 23.853 0 12.652 0 -2305.242 738 3 0 21.328 0 12.652 0 -2305.242 738 3 0 21.328 0 12.652 0 -2346.131 739 4 0 18.803 0 12.652 0 -2382.449 740 5 0 16.278 0 12.652 0 -2414.196 741 2 M149 1 0 16.278 0 -12.452 0 -2414.197 742 2 0 13.753 0 -12.452 0 -2463.982 744 4 0 8.703 0 -12.452 0 -2463.982 745 5 0 6.178									
735 5 0 23,339 0 -10,49 0 -2259,784 736 2 M148 1 0 26,378 0 12,652 0 -2259,784 737 2 0 23,853 0 12,652 0 -2346,131 739 4 0 18,803 0 12,652 0 -2346,131 740 5 0 16,278 0 12,652 0 -2344,196 741 2 M149 1 0 16,278 0 -12,452 0 -2414,197 742 2 0 13,753 0 -12,452 0 -2441,375 743 3 0 11,228 0 -12,452 0 -2483,982 744 4 4 0 8,703 0 -12,452 0 -2482,02 744 4 0 8,703 0 -12,452 0 -2482,02 744								1	
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740 5 0 16.278 0 12.652 0 -2414.196 741 2 M149 1 0 16.278 0 -12.452 0 -2414.197 742 2 2 0 13.753 0 -12.452 0 -2463.982 744 4 0 8.703 0 -12.452 0 -2495.487 745 5 6 6.178 0 -12.452 0 -2495.487 746 2 M150 1 0 9.514 0 13.139 0 -2495.487 747 2 0 6.99 0 13.139 0 -2510.413 748 3 0 4.465 0 13.139 0 -2520.779 749 4 0 1.94 0 13.139 0 -2527.801 751 2 M151 1 0 -585 0 13.147 0 -2527.801 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
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751 2 M151 1 0 585 0 -13.147 0 -2527.801 752 2 0 -3.11 0 -13.147 0 -2524.456 753 3 0 -5.635 0 -13.147 0 -2516.541 754 4 0 -8.16 0 -13.147 0 -2504.057 755 5 0 -10.685 0 -13.147 0 -2487.002 756 2 M152 1 0 -7.357 0 12.357 0 -2487.013 757 2 0 -9.882 0 12.357 0 -2471.411 758 3 0 -12.407 0 12.357 0 -2471.411 759 4 0 -14.932 0 12.357 0 -2426.496 760 5 0 -17.457 0 12.357 0 -2397.183 762 2 <td></td> <td>C 1040 (221 NO. 835 457 (8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		C 1040 (221 NO. 835 457 (8							
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755 5 0 -10.685 0 -13.147 0 -2487.002 756 2 M152 1 0 -7.357 0 12.357 0 -2487.013 757 2 0 -9.882 0 12.357 0 -2471.411 758 3 0 -12.407 0 12.357 0 -2451.239 759 4 0 -14.932 0 12.357 0 -2426.496 760 5 0 -17.457 0 12.357 0 -2397.184 761 2 M153 1 0 -17.457 0 -12.571 0 -2397.183 762 2 0 -19.982 0 -12.571 0 -2363.3 763 3 0 -22.507 0 -12.571 0 -2324.847 764 4 0 -25.032 0 -12.571 0 -2281.824 765 <td< td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td></td<>				-					
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758 3 0 -12.407 0 12.357 0 -2451.239 759 4 0 -14.932 0 12.357 0 -2426.496 760 5 0 -17.457 0 12.357 0 -2397.184 761 2 M153 1 0 -17.457 0 -12.571 0 -2397.183 762 2 0 -19.982 0 -12.571 0 -2397.183 763 3 0 -22.507 0 -12.571 0 -2363.3 764 4 0 -25.032 0 -12.571 0 -2281.824 765 5 0 -27.557 0 -12.571 0 -2234.231 766 2 M154 1 0 -24.554 0 10.305 0 -2187.546 768 3 0 -29.604 0 10.305 0 -2136.248 769 <		WITOL	7	·		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
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762 2 0 -19.982 0 -12.571 0 -2363.3 763 3 0 -22.507 0 -12.571 0 -2324.847 764 4 0 -25.032 0 -12.571 0 -2281.824 765 5 0 -27.557 0 -12.571 0 -2234.231 766 2 M154 1 0 -24.554 0 10.305 0 -2234.275 767 2 0 -27.079 0 10.305 0 -2187.546 768 3 0 -29.604 0 10.305 0 -2136.248 769 4 0 -32.129 0 10.305 0 -2080.379		1/1/53							
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764 4 0 -25.032 0 -12.571 0 -2281.824 765 5 0 -27.557 0 -12.571 0 -2234.231 766 2 M154 1 0 -24.554 0 10.305 0 -2234.275 767 2 0 -27.079 0 10.305 0 -2187.546 768 3 0 -29.604 0 10.305 0 -2136.248 769 4 0 -32.129 0 10.305 0 -2080.379		1 - 444/34/2009/80/34 (Mineral Conference of the		i -					
765 5 0 -27.557 0 -12.571 0 -2234.231 766 2 M154 1 0 -24.554 0 10.305 0 -2234.275 767 2 0 -27.079 0 10.305 0 -2187.546 768 3 0 -29.604 0 10.305 0 -2136.248 769 4 0 -32.129 0 10.305 0 -2080.379			<u>. 3</u>						
766 2 M154 1 0 -24.554 0 10.305 0 -2234.275 767 2 0 -27.079 0 10.305 0 -2187.546 768 3 0 -29.604 0 10.305 0 -2136.248 769 4 0 -32.129 0 10.305 0 -2080.379		er ple amatria, sakki tiri militigi.							
767 2 0 -27.079 0 10.305 0 -2187.546 768 3 0 -29.604 0 10.305 0 -2136.248 769 4 0 -32.129 0 10.305 0 -2080.379		NACA-							
768 3 0 -29.604 0 10.305 0 -2136.248 769 4 0 -32.129 0 10.305 0 -2080.379		IVI I 54	Tunder Contract & American Contract						
769 4 0 -32.129 0 10.305 0 -2080.379									
-10.7641 plantification in the first of the state of t									
			5				10.305		-2019.94
771 2 M155 1 0 -34.654 0 -10.699 0 -2019.938		IVI155	1						
772 2 0 37:179 0 -10:699 0 -1954.928		historiani (marini)				T .		-	
773 3 0 -39.704 0 -10.699 0 -1885.349									
774 4 0 42.229 0 -10.699 0 -1811.2									
775 5 0 -44.754 0 -10.699 0 -1732.48									
776 2 M156 1 0 42.646 0 6.95 0 -1732.587		M156	protection of the second second						
777 2 0 -45.171 0 6.95 0 -1653.113									
778 3 0 47.696 0 6.95 0 -1569.069			3						
779 4 0 -50.22 0 6.95 0 -1480.455	779		4	0	-50.22	0	6.95	0	-1480.455

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

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July 21, 2013 1:35 PM Checked By:

	10	Member Label	Soc		v Shoo	/	Torquelly #1	v v Memeri	T T Manager (1)
780		MEITIDEL LADEL	Sec 5	Axial[k]	y Snea -52.745	z Shear[k]	1 orque K-11	y-y Moment	z-z Moment[k-ft] -1387.271
	2	M157	1	0	-52.745	0	-7.476	0	-1387.271
782	30%	141107	2	0	-55.27	0	-7.476 -7.476	0	-1387.208 -1289.514
783	13.454		3	0	-57.795	0	-7.476 -7.476	0	-1289:514 -1187:19
784		(C C C C C C C C C C C C C C C C C C C	4	0	-60.32	0	-7.476 -7.476	0	-1080.295
785	374.95	\$200 x 12 x 1 x 10 x 10 x 10 x 10 x 10 x	5	0	-62.845	0	-7.476	0	-968.83
786	2	M158)))((1) (1)	Ŏ	-62.373	0	2.057	0	-969.003
787		IVI I JO	2	0	-64.216	0	2.057	0	-885.387
788	30.5	45) 85-713 1884 A. H. 10	3	0	-66.059	0	2.057	0	
789	-5-6-6			· ·	-67.902		2.057		-799:337 -740:853
790	13 V.S.	n en de la company de la compa	4 5	0	-69.745	0		0	-710.853
791	2	M159	1	0	-69.745	0	2.057		-619.933 -619.931
792		IVITOB	2	0	-71.588	0	-2.648 -2.648	0	
793		Surface and property of the first fill and the fill as	3		-73.43	0			- <u>526.578</u>
794	-0.4% -0.4%	LATE YORK IN PRESENCE SAME	3 4	0	-75.273	0	-2.648	0	-430.79
795	-3455			1	-77.116		-2.648		-332.567 -334.04
796	വ	M160	<u>5</u>	0	-78:178	0	-2.648	0	-231.91
797	Z.	IVITOU	and the contract of the contract of		-79.188		0		-232/142
	975	usavovenos esta	2		-80.197	0	0	0	-175.202
798	44.0		3	1		0	0	0	-117.532
799	25065		4	0	-81.207 -82.216	0	0	0	-59.131
800	(38.85E)	RAACA	5			0	0	<u> </u>	0
	2	M161	1		79.083	0	0	0	0
802	95013				78.082	Ď 🧟 🐪	0	0	-56:383
803	S-05	an established and established	3		77.081	0	0	0	-112.048
804	7711	A (Car) (Car) (Car) (Car) (Car)	4	0	76.08	0	0	0	-166.994
805	-63	******	5		75.079	0	0	0	-221.223
806	2	M162	6.1		74.154	0 0	2.902	0	-220.982
807	ration I	voortee optiveleen eli coordanii	2		72.152	0	2.902	0	-325.957
808	248		3		70.151	0	2.902	0	-428.06
809	écie.	41. Santa tarak kandalife kama	4		68.149	0	2.902	0	-527.29
810			5		66.147	<u> </u>	2.902	0	-623.647
	2	M163	1		66.147	0	-2.286	0	-623.65
812		32574 (AMERICAN)	2		64.145	0	-2.286	0	-717.134
813	101111	2200 B. C. C. C. C. C. C. C. C. C. C. C. C. C.	3		62.143	0	-2.286	0	-807.747
814	355		4		60.141	0	-2.286	0	-895.486
815	5-22 e- 1		5		58.14	0	-2.286	0	-980.353
816	2	M164	1.50		59.074	0	7.383	0	-980.17
817		ajer, ajeka, simi mari katan mengana	2		56.572	0	7.383	0	
818	39.6	Charles and the Calling Control of the Control of the Calling Contro	3		54.07	0	7.383	0	-1183.123
819	Q114	W	4		51.568	0	7.383	0	-1277.867
820			5		49.065	0	7.383	0	-1368.122
	2	M165	1		49.065	0	-6.844	0	-1368.125
822	20	No. The State Control of the	2 - 2		46.563	0	-6.844	0	-1453.892
823			3		44.061	0	-6.844	0	-1535.17
824			4		41.558	0	-6.844	0	-1611.96
825			5		39.056	0	-6.844	00	-1684.261
826	2	M166	1		41.655	0	10.32	- 0	-1684.137
827			2		39.152	0	10.32	0	-1756.61
828	24		3		<u>36.65 </u>	0	10.32	0	-1824.595
829			4		34.148	0	10.32	0	-1888.092
830		area and a second and a second	5		31.645	0	10.32	0	-1947.1
	2	M167	1		31.645	0	-9.927	0	-1947.102
832		124,751.24 (30,655.6	2	0 2	29.143	0	-9.927	0 0	-2001.622
833			3	0 2	26.641	0	-9.927	0	-2051.653
834	<u>ुः</u>		- 4	0 2	24.139	0	-9.927	0	-2097.196
835			5		21.636	0	-9.927	0	-2138.25
836	2	M168	1		25.312	0	11.977	0	-2138.186
	ئىلىستند								

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

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•	LC	Member Label	Sec	Axial[k]	γ Shea	z Shear[k]	Torque[k-ft]	y-y Moment.	z-z Moment[k-ft]
837			2	0	22.809		11.977	0	-2181.345
838			3	0	20.307	0	11.977	0	-2220.015
839			4	0	17.805	0	11.977	0	-2254.197
840			5	0	15.303		11.977	0	-2283.89
841	2	M169	11	0	15.303		-11.773	0	-2283.891
842	347		2	0.3	12.8	0	-11.773	0	-2309.096
843			3	0	10.298	0	-11.773	0	-2329.812
844	150		4	0	7.796	0	-11.773	0	-2346.04
845			5	0	5.293	0	-11.773	0	-2357.779
846	2	M170	1	0	9.461	0	12.421	T 0	-2357.76
847	<u> </u>		2	1 0	6.959	0	12.421	0	-2372.487
848			3	0	4.457	0.5	12.421	0	-2382.726
849			4	0	1.954	0	12.421	0	-2388.476
850			5	0	548	0	12.421	0	-2389.737
851	2	M171	1	0	548	0	-12.429	0	-2389.737
852		House several gas	2	0	-3.05	0	-12.429	0	-2386.51
853			3	0	-5.552	0	-12.429	0	-2378.794
854			4	0	-8.055	0	-12.429	0	-2366.59
855			5	0	-10.557	0	-12.429	0	-2349.898
856	2	M172	1	0	-6.406	0	11.683	0	-2349,919
857			2	0	-8.908	0	11.683	0	-2336.185
858	í,	10.00 40.00	3	0	-11.41	0	11.683	0	-2317.962
859			4	0	-13.912	0	11.683	0	-2295.251
860			5	0	-16.415	0	11.683	0	-2268.051
861	2	M173	1	0	-16.415	0	-11.902	0	-2268.05
862	\$		2	0	-18.917	0	-11.902	0	-2236.362
863			3	0	-21.419	0	<i>-</i> 11.902	0	-2200.185
864	32.4	LOCK BLOCK SECTION SHOW	4	0 -	-23,922	0	-11.902	0	-2159.52
865			5	0	-26.424	0	-11.902	0	-2114.367
866	2	M174	1	0	-22.803	0	9.754	0	-2114,435
867			22	0	-25.305	0	9.754	0	-2071.287
868		CHARLES AND CO.	3	0.5	-27.808	. 0	9.754	0	-2023.651
869			4	0	-30.31	0	9.754	0	-1971.527
870			5	0	-32.812	0	9.754	0	-1914.914
871	2	M175	1	0	-32.812	0	-10.159	0	-1914.912
872			2	0	-35.315	0	-10.159	0	<u>-1853.811</u>
873			3	0	-37.817	00	-10.159	0	-1788.221
874	Š.		4	0.8	-40.319	0	-10.159	0	-1718.143
875	err 1 224		5	0	-42.821	0	<u>-10.159</u>	0	-1643.576
876	2	M176	1	0	-40.332	0	6.582	0	-1643.706
877	7.7		2		-42.835	0	6.582	0	-1569.116
878	100		- 3	0	-45.337	0	6.582	0	-1490.036
879			4	0	-47.839	0	6.582	0	-1406.469
880	200		5	2 0	-50.342	0	6.582	0	-1318.412
	2	M177	1	0	-50.342	0	-7.128	0	-1318.41
882			2	0	-52.844	0	-7.128	0	-1225.865
883			3	0	-55.346	0	-7.128	0	-1128.832
884	NA.		4	*** 0 ***	-57.848	0	-7.128	0 0 0	-1027.311
885	ا		5	0	-60.351	0	-7.128	0	-921.301
886	2	M178	1	0	-59.581	0	1.931	0	-921.487
887	-		2	0	-61.407	0	1.931	0	-842.289
888			3	0	-63.233	0	1.931	0	-760.699
889			4	0	-65.06	0	1.931	0	-676.719
890		· va water to the	5		-66.886	0	1.931	0	-590.348
	2	M179	1	0	-66.886	0	-2.549	0	-590.346
892	联键		2		-68.712	0	-2.549	0	-501.583
893			3	0	-70.539	. 0	-2.549	0	-410.43

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

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	10	Member Labe	l Sec	Avial[b]	y Shea	. z Shear[k]	Torquelle fil	y-y Moment	. z-z Moment[k-ft]
894	<u> </u>	WCIIDOI LABO	4	0.0	-72.365	0	-2.549	O NICHTELIC.	-316.886
895			5	0	-74.191	0	-2.549	0	-220.951
896	2	M180	See je	0	-75.106	Ŏ	0	Ö	-220.931 -221.192
897	_	I STATE OF S	2	0	-76.107	0	0		
898	2 1 Pc		3	0	-77,107	0	0	0	-166.97
899	2000	199,000,000,000,000,000,000	' 	0	-78.107				-112.031
900	655	C-50.57/45. (5.6 V.)	4		-79.108	0	0	0	-56,374
	0	1404	3	<u> </u>		0	<u> </u>	0.00	0
901	2	M181	1	0	73.623		0	0	0
902	590	190000000000000000000000000000000000000	2	0	72.706		0 > 3	0	-52.02
903	34-57		3	0	71.789		0	0	-103.388
904	658	NEW YORK STATE	4	0	70.871		0 =	0	-154.104
905	********		5	0	69.954		0	0	-204.168
906	2	M182	1	0	69.45	0	2.748	0	-209.943
907			2	0	67.616		2.748	0	-307.398
908	C.E.		3	- 0	65.781	0	2.748	0	-402.243
909			4	0	63.947	0	2.748	0	-494.481
910			5	0	62.113	0	2.748	0	-584.109
911	2	M183	1	0	62.113	0	-2.111	0	-584.112
912	<u>)</u>		2	0	60.278	0	-2.111	0	-671.132
913			3	0	58.444	0	-2.111	0	-755.544
914			4	0	56.61	0	-2.111	2 0 · ·	-837.348
915		***	5	0	54.775	0	-2.111	0	-916.543
916	2	M184	1	0	55.119	Ò	6.939	0	-921.961
917			2	0	52.826	0	6.939	0	-1017.898
918			3		50.533	Ŏ	6.939	Ö	-1109.759
919		The state of the second Control of the Secon	4	0	48.24	0	6.939	0	-1197.544
920	繊	STOREST CONTRACTOR	5		45.947	0	6.939	0 0	-1281.254
	2	M185	1		45.947	0	-6.385	0	-1281.257
922	-		2		43.654	0	-6.385	Ŏ	-1360.89
923			3		41.361	0	-6.385	0	
924	28		4		39.068	0	-6.385	0	-1436.448
925	MAN :	tig Barreros Pieces Literating seglect sidera	5	0	36.775	0			-1507.93 4575.330
926	2	M186	1 3	0 4	38.64	0 III	-6.385	0	-1575 <u>.336</u>
927	_	IVITOU	2_			· · · · · · · · · · · · · · · · · · ·	9.673		<u>-1579.667</u>
928	125011		3	0	36.347	0	9.673	0	-1646.311
929		* 1900 200 EU 200 EU 200 EU 200 EU 200 EU 200 EU 200 EU 200 EU 200 EU 200 EU 200 EU 200 EU 200 EU 200 EU 200 E			34.054	0	9.673	0	-1708.879
930	E80.		<u>4</u> 5		31.761	0	9.673	0	-1767,372
	2	M407	2 (2)		29.468	~~~	9.673	- 0	-1821.788
	2	<u>M187</u>	I Granasa A re Ata dar		29.468	0	-9.271	0	-1821.79
932	2001	entide control telestraly country	2		27.175	0	<u>-9.271</u>	Ŏ O	-1872.131
933	NZ397 3		3		24.882	0	-9.271	0	-1918.396
934	14.5		4		22.589	0	<u>-9.271</u>	<u> </u>	-1960.586
935		MAGG	5		20.296	0	-9.271	0	-1998.699
936	2	M188	1		23.313	-	11.203	<u> </u>	-2001.469
937	ء (دنيس	awa nga sarah na sasa	2	0	21.02	0	11.203	0	-2040.87
938		market entrance (S. 1) St. (1) St. (1)	3		18.727	0	11.203	0	-2076.195
939	5 85	National Page National Control	4		16.434	0	11.203	0	-2107.444
940	335		5		14.141	0	11.203	0	-2134.618
	2	M189	1		14.141	0	-10.995	0	-2134.619
942	S24 9	Notice Control (Contr	2		11.848	0	-10.995	0	-2157.717
943		Market and a subduction of the contract of the	3	0	9.555	0	-10.995	00	-2176.739
944			4	0	7.262	0	-10.995	0	-2191.685
945			5	0	4.969	0	-10.995	0	-2202.556
946	2	M190	2000 /1 500 41	0	8.669	0	11.604	0	-2203.466
947			2	0	6.376	0	11.604	0	-2216.837
948			3	0	4.083	0	11.604	0	-2226.132
949			4	0	1.79	0	11.604	0	-2231.351
950			5	0	503	0	11.604	Ō	-2232.494

: Calderwood Engineering : Eric Calderwood

053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

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	LC	Member Label	Sec	Axial[k]	y Shea	z Shear[k]		y-y Moment	z-z Moment[k-ft]
951	2	M191	11	0	503	0	-11.612	0	-2232.494
952			2	0	-2.796	0	-11.612	0	-2229.562
953	ļ		3	0	-5.089	0	-11.612	0	-2222.554
954	700	25 CANADA (1886)	4	0	-7.382	0	-11.612	Ò	-2211.47
955			5	0	-9.675	0	-11.612	0	-2196.31
956	2	M192	1	0	-6.003	0	10.911	0	-2195.263
957			2	0	-8.296	0	10.911	0	-2182.554
958		34-1-199 (1993) (1994) (1994) (1994) (1994)	3	0	-10.589	0	10.911	0	-2165.77
959			4	0	-12.882	00	10.911	0	-2144.91
960	200		- 5	0	-15.175	0	10.911	. 0	-2119.975
961	2	M193	1	0	-15.175	0	-11.134	0	-2119.974
962	2.50		2	- 0	-17.468	0	-11.134	0	-2090.962
963			3	0	-19.761	0	-11.134	0	-2057.875
964	3300 3500 3	no remains on an	4	0	-22.054	0	-11.134	0	-2020.712
965			5	0	-24.347	0	-11.134	0	-1979.474
966	2	M194	4	40	-21.401		9.109	0	-1976.582
967			2	0	-23.694	0	9.109	0	-1936.504
968			3	0	-25.987	0	9.109	0	-1892.35
969			4	0	-28.28	0	9.109	0	-1844.121
970	39.2 300			0.4	-30.573	0.	9.109	0	-1791.815
971	2	M195	1	0	-30.573	0	-9.524	0	-1791.813
972	<u> 3</u> (4)		2	0	-32.866	0	-9.524	0	-1735.432
973			3	0	-35.159	0	-9.524	0	-1674.975
974	蒙茶		4	0	-37.452	0	-9.524	0	-1610 443
975			5	0	-39.745	0	-9.524	0	-1541.834
976	2	M196	1	· 0 ·	-37.963	0	6.139	5 O -	-1537.41
977			2	0	-40.256	0	6.139	0	-1467.893
978	200	0.000 0.000 0.000 0.000 0.000 0.000	3	Ō	-42:549	0	6.139	0	-1394.3
979	- 1		4	0	-44.842	0	6.139	0	-1316.632
980	OK.		5	0	-47.135	.0	6.139	0	-1234.888
981	2	M197	1	0	-47.135	0	-6.702	0	-1234.885
982	ž×ć		2	0	-49.428	0	-6.702	0	-1149.065
983			3	0	-51.721	0	-6.702	0	-1059.17
984	42	7-31 to 7-ber 20 de 10 de 27	4	0.8	-54.014	0	-6.702	0	-965.199
985			5	0	-56.306	0	-6.702	0	-867.152
986	2	M198	1	0.8	-56.083	0	1.78	0	-861.679
987		111100	2	0	-57.757	0	1.78	0	-787.835
988		79 88 5 8 8 A	3	l ŏ	-59.43	Ō	1.78	0 4	-711.819
989		A SERVICE CONTRACT OF STREET	4	0	-61.104	0	1.78	0	-633.632
990	13/18	Reside Sections and	5	ŏ	-62.777	Ŏ	1.78	0	-553.275
991	2	M199	1	0	-62,777	0	-2.419	Ö	-553.272
992	349		2	0	-64.451	0	-2.419	3 0	-470.743
993	,	2 - 3 - 4 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	3	0	-66.125	0	-2.419	0	-386.043
994	1984. 1984.		4	0	-67.798	ň	-2.419	10	-299.172
995			5	0	-69.472	0	-2.419	0	-210.13
996	2	M200	3	0	-70.058	Ö	2.713	Ŏ	-204.362
997	-2	IVIZOU	2	0	-70.974	0	0	0	-154.248
998	785		3	0	-71.891	0	0	0	103.484
999	12,850	100000000000000000000000000000000000000	4	0	-72.808	0	0	0	-52.068
1000	됐장.		5	0	-73.725	o o	0	Ŏ	0
1000				<u> </u>	11.0.1.20		protestina V olkstjuljak	<u> partitus Orbeitaus</u>	July 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1

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: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:56 PM Checked By:

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]	Footing
1	N1	Reaction	Reaction	Reaction			-	
2	N22	Reaction	Reaction	Reaction				
3	N43	Reaction	Reaction	Reaction				
4	N64	Reaction	Reaction	Reaction			us vicivizados.	· 新华地里和美
5	N85	Reaction	Reaction	Reaction				
6	N106	Reaction	Reaction	Reaction	9 (2 6 × 1200)	多的复数复数		
7	N127	Reaction	Reaction	Reaction				
8	N21	Reaction	Reaction	Reaction				Carlos and consistent of the Angelo
9	N42	Reaction	Reaction	Reaction				
10	N63	Reaction	Reaction	Reaction		EVER PRINTERS		
11	N84	Reaction	Reaction	Reaction				
12	N105	Reaction	Reaction	Reaction	BALL 1988 1885 年			
13	N126	Reaction	Reaction	Reaction				
14	N147	Reaction	Reaction	Reaction				

Member Section Forces (By Combination)

		Member Label	Sec	Axial[k]	y Shea	z Shear[k]		y-y Moment	. z-z Moment[k-ft]
1	3	M1	1	00	1.014	00	-4.113	00	6.932
2			2	0	1.014	0	-4.113	0	5.347
3	-	·	3	0	1.014	00	-4,113	0	3.762
4			4 📖	0	1.014	0	-4.113	0	2.177
5			5	0	1.014	0	-4.113	0	.592
6	3	M2	1	0	1.101	0	-4.124	0	6.882
7			2	0	1.101	0	-4.124	0	5.161
- 8			3	0	1.101	.0	-4.124	0	3.44
9			4	0	1.101	0	-4.124	0	1.719
10	and the	表现的 连右角	5	0	1.101	0.	-4.124	0.00	002
11	3	M3	1	0	1.525	0	-3.582	0	6.135
12		A CONTRACTOR OF THE PROPERTY OF	2	0	1.525	0	-3.582	0	3.752
13			3	0	1.525	0	-3.582	0	1.368
14	247. 257.2		4	0	1.525	0	-3.582	0	-1.015
15			5	0	1.525	0	-3.582	0	-3.399
16	3	M4	1 1 2	0.0	1.062	4000	-4.201	0.44	.588
17			2	0	1.062	0	-4.201	0	-1.072
18	903		3	0	1.062	0	-4.201	0	-2.732
19			4	0	1.062	0	-4.201	0	-4.393
20		here can influential side in t	5	0.4	1.062	0 -	-4.201	0	-6.053
21	3	M5	1	0	.677	0	-4.435	0	-2.184
22			2	0	677	0	-4:435	0	-3.241
23			3	0	.677	0	-4.435	0	-4.298
24	333		4	0	.677	0	-4.435	0	-5.355
25			5	0	.677	0	-4.435	0	-6.412
26	3	M6	16/5/14/5/50	-0	.133	0	-4.672	0	-2.692
27			2	0	.133	0	-4.672	0	-2.899
28			3	0	:133	0	-4.672	0	-3.107
29			4	0	.133	0	-4.672	0	-3.314
30			5	0	.133	0	-4.672	0	-3.522
	3	M7	1	_0	3.665	0	-3.91	0	29.251
32	S	200 AU COLONO (PO 101/2)	2	0	3.665	0	-3.91	0	23.525
33			3	0	3.665	0	-3.91	0	17.799
34			4	0	3.665	0	-3.91	0	12.073
35			5	0	3.665	0	-3.91	0	6.347
	3	M8	4.4	0	4.964	0	-3.915	0	33.411
37			2	0	4.964	0	-3.915	0	25.655
38			3	0	4.964	0	-3.915	0	17.899

: Calderwood Engineering : Eric Calderwood

Company Designer Job Number 053-br-12 ER-BRF 015-1(23) Jamaica Vermont

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1.0	Member Label	Sec		y Shea	z Shear[k]		v v Momont	7 7 Mamontik fil
39	, wentber Laber	4	Axiaiiki 0	4.964	2 Snear[k]	-3.915	y-y Moment O	z-z Moment[k-ft] 10.143
40	20 (\$100000000000000000000000000000000000	5	0	4.964	0	-3.915	0	2.387
41 3	MAC	1						
	M9	· · · · · · · · · · · · · · · · · · ·	0	6.954	0	-3.381	0	28.677
42	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	2	0	6.954	0	-3.381	0	17.812
43	el Velvalle managen va sine	3	0	6.954	0	-3.381	0	6.947
44		4	0	6.954	0	-3.381	0	-3.919
45		5	0	6.954	0	-3.381	0	-14.784
46 3	M10	1	0	4.857	0	-3.965	0	3.139
47		2	0	4.857	00	-3.965	0	-4.45
48		3	0	4.857	0	-3.965	0.00	-12.038
49		4	0	4.857	0	-3.965	0	-19.627
50		5	0	4.857	_ = 0	-3.965	Ö	-27.216
51 3	M11	1	0	2.887	0	-4.159	0	-9.951
52		2		2.887	0	-4.159	0	-14.462
53		3	0	2.887	0	-4.159	0	-18.972
54	s recuest desputar	4		2.887	Ö	-4.159	Ö	-23.483
55	C 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	5	0	2.887	0	-4.159	0	-27.994
56 3	M12	, j	0	.636	0	-4.357°	0	-11.521
57	PO SOMERNO I VIOLENCE ANGLE	2	0	.636	0	-4.357	0	-12.515
58		3	Ö	.636	0	-4.357	0	-12.010 -13.508
59	6 0000000000000000000000000000000000000		0	.636				-14.502
		4 5			0	-4.357	0	
60	MAG		0	636		-4.357	0	-15.496
61 3	M13	1	0	6.687	0	-3.248	0	55.44
62		2	0	6.687	0	-3.248	0	44.991
63		3	0	6.687	0	-3.248	0	34.541
64		4	0	6.687	0	-3.248	0	24.092
65		5	0	6.687	0	-3.248	0	13.643
66 3	M14	1	0	9.463	0	-3.238	0	64.592
67		2	0	9.463	0	-3.238	00	49.806
68		3	0	9.463	0	-3.238	0	35.021
69		4	0	9.463	0	-3.238	0	20.236
70	- CAMPENIES :	5	104	9.463	0	-3.238	0 0	5.451
71 3	M15	1	0	12.306	0	-2.872	0	54.683
72	to process to the state of	2		12.306	0	-2.872	0	35.455
73		3		12.306	Ō	-2.872	0	16.227
74		- 4		12.306	Ŏ	-2.872	Ŏ	3
75	Sharran and an and all sharranges of times	5		12.306	0	-2.872	0	-22.228
76 3	M16	4 E S	· ň	8.94	Ŏ	-3.237	0	10.942
77	A CONTRACTOR OF THE PROPERTY O	2	0	8.94	0	-3.237	0	-3.027
78	1 10 7 10 10 10 10 10 10 10 10 10 10 10 10 10	3	0	8.94	0	-3.237	Ŏ	-16.996
79	Comparison a description of paying							
80	R000 001 200 201 20 1	4 5	0	8.94	0 0	-3.237 -3.237	0 0	-30.964
	\$44.7			8.94				-44.933 43.000
	M17	1	0	5.517	0	-3.349	0	-13.099
82		2	0	5.517	Ŏ	-3.349	Ŏ	-21.72
83	Signage-segment	3	0	5.517	0	-3.349	0	-30.34
84	(1) - (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	4	0	5.517	0	-3.349	0	-38.961
85		5	0	5.517	0	-3.349	0	-47.582
86 3	M18	1		1.805	0	-3.475	0	-17.254
87		2	0	1.805	0	-3.475	0	-20.074
88		3		1.805	0	-3.475	0	-22.895
89		4	0	1.805	0	-3.475	0	-25.715
90		5		1.805	0	-3.475	0	-28.536
91 3	M19	1		8.375	0	-2.133	0	72.043
92		2		8.375	0	-2.133	V O	58.958
93		3		8.375	0	-2.133	0	45.873
94	(A) (3) (3) (3) (4)	4		8.375	Ŏ N	-2.133	ŏ	32.787
95		5		8.375	0	-2.133 -2.133	0	19.702
	·	<u> </u>		5.575	<u> </u>	-2.100	U	13.104

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

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*	LC	Member Label	Sec	Axial[k]		z Shear[k]	Torque[k-ft]		z-z Moment[k-ft]
96	3	M20	1		12.208	0	-2.128	. 0 .	85,628 66,552
97			2		12.208	0	-2.128	0	66.553 47.477
98			3		12.208	Ō	-2.128) O -	28.402
99			4		12.208	0	-2.128	0	9.326
100		20 77 00 (SK) F	5		12.208	0	<u>-2.128</u>	0	72.74
101	3	M21	11	0	15.21	00	-1.906	0	7 <u>2.74</u> 48.974
102			2	0	15.21	<u> </u>	-1.906	0	25,209
103			3	0	15.21	0	-1.906	0	25.20 9 1.444
104	34		4	0	15.21	0	-1.906	0	-22.322
105			5	0	15.21	0	-1.906	0	- <u>-22.322</u> 20.131
106	3	M22	1		11.565	0	-2.106	0	2.061
107			2		11.565	0	-2.106	0	
108			3		11.565	0	-2.106	0	-16:01
109			4		11.565	0	-2.106	0	-34.08
110			5		11.565	0	-2.106	0	-52.151
111	3	M23	11	0	7.387	0	-2.153	0	-11.553
112		\$2.00 \$2.50 BES	2	0	7.387	<u> </u>	-2.153	0	-23.096 -24.630
113			3	0	7.387	0	-2.153	0	-34.639
114			4	0	7.387	0	-2.153	0	-46.182 -7.705
115			5	0	7.387	0	-2.153	0	-57.725
116	33	M24	8.61	0	2.752	0	-2.218	0	19114
117			2	0	2.752	0	-2.218	0	-23.414
118	¥45		3	0	2.752	0	-2.218	* = 12 O %	-27.714
119			4	0	2.752	00	-2.218	0	-32.014
120	ENLY.		5	0	2.752	0	-2.218	0	-36.314
121	3	M25	1	0	9.196	0	71	00	80.315
122		10 (20 Jan 4 4 60)	2	0	9.196	0	71	0	65.947
123			3	0	9.196	0	71	0	51.578
124	846	7176-0179-DV	4	0	9.196	0	71	2.0	37.209
125	1		5	0	9.196	0	71	0	22.841
126	3	M26	1	0	13.469	0	709	0	96.189
127		, , , , , , , , , , , , , , , , , , , ,	2	0	13.469	0	709	0	75.143
128	7.9	G. 68 38 10a 37 1.	3	0	13.469		709	0 _	54.098
129			4	0	13.469		709	0	33.052
130	25	To the street of the	5	0	13,469		709	0	12:007
131	3	M27	1	0	16.563		637	0	82.394
132	Ť		2	0	16.563		637	0	56.514
133	10.00	51.53.2 [13	3	0	16.563		637	0	30.634
134	5265	COLVA AVERLA GRAPE DA	4	0 =	16.563		637	0	4.754
135			5	0	16.563		637	0	-21.127
136	3	M28	1		12.828		698	0	25.87
137	1	11120	2	0	12.828	0	698	0	5.826
138	1435		3	0	12.828		698	0	-14.218
139		,	4	0	12.828		698	0	-34.262
140			5	0	12.828		698	0	-54.305
141	3	M29	1	0	8.387	0	71	0	-9.448
142		,,,,,	2	Ö	8.387		71	0	-22,552
143			3	Ō	8.387	0	71	0	-35.656
144			4	0	8.387	0	71	0	-48.76
145		A TON STORY OF THE PROPERTY TO STORY	5	0	8.387	0	71	0	-61.864
146		M30	a see a Maria	Ŏ	3.329	0	- 729	0	-19.248
147	10	NAME OF THE OWNER, THE	2	0	3.329	0	729	0	-24.45
148			3	l ŏ	3.329		729	0	-29.653
149		sa ing panggang ang panggang panggang panggang	4	0	3.329	0	- 729	0	-34.855
150			5	0	3.329		729	0	-40.057
151		M31	1	0	9.166		.817	0	80.013
152	3	14191	2	0	9.166		817		65.691
102	4.5		<u>11045005∠1066</u>		J. 100	ers over 10 meser	<u> </u>	<u>.,</u>	

: Calderwood Engineering : Eric Calderwood

Company Designer Job Number 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:56 PM Checked By:

<u> </u>		r Secuon				_			
450	LC	Member Label	Sec			z Shear[k]		y-y Moment.	. z-z Moment[k-ft]
153	1,611.69	oran Samera de Colonia (1808).	3	0	9.166	0	.817	0	51.368
154	7850		4 7 7	0	9.166	Ō	.817	0	37.046
155	•	A CONTRACTOR	<u>5</u>	0	9.166	0	.817	0	22.723
156	3	M32	Sur fight half from timesh	0	13.425		.815	0	95.801
157	Stage	DAG FACTOR CONTROL	2	0	13.425		.815	0	74.825
158	5035		3		13.425		.815	0 0	53.848
159	197 C.S.	nerowski Art (Pawiedaka	4	0	13.425		.815	0	32.871
160		1400	5	0	13.425		.815	<u>0</u>	11.894
161	3	M33	1	0	16.515		.733	0	82.029
162	3000		2	0	16.515		.733	0 -	56.224
163			3	0	16.515		.733	0	30.419
164	2000		4	0	16.515		733	0.1	4.614
165	34.5	AND CONTRACT LINE OF CREAMENT	5	0	16.515		.733	0	-21.191
	3	M34	1	0	12.783		.803	0	25.642
167		1770-77000	2	0	12.783		.803	0	5.668
168	Mile	10.00 (A. 10.00 (W.).	- 3	-0 ∘	12.783		.803	0	-14.305
169	2002103		4	0	12.783		.803	00	-34.279
170	3.4		5	0	12.783	0	.803	0	-54.252
171	3	M35	1	0	8.349	0	.817	0	-9.548
172	S.	15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	0	8.349	0	.817	0	-22.594
173			3	0	8.349	0	.817	0	-35.64
174	\$3.5	410 FASS (4.5)	4	0	8.349	0	.817	0	-48.686
175			5	0	8.349	0	.817	0	-61.732
176	3	M36	1	0	3.306	0	.838	0	-19.259
177			2	0	3.306	0	.838	0	-24.425
178	65		3	0	3.306	0	.838	0	-29.591
179			4	0	3.306	0	.838	0	-34.757
180	Şeyl	100409000000000000000000000000000000000	5	o o	3.306	Ö	.838	Ŏ	-39.923
	3	M37	1	0	8.286	0	2.224	0	71.146
182	12.5	14101	2	Ö	8.286	Ŏ	2.224	ŏ	58.199
183		Sage for expensions who every expension	3	0	8.286	0	2.224	0	45.253
184	65.0	18 18 18 18 18 18 18 18 18 18 18 18 18 1	4	0	8.286	0	2.224	0	32,306
185		A Committee of the Comm	5	0	8.286	0	2.224	0	19.359
186	3	M38	1	0	12.07	0	2.218	.0	84.479
187	<u> </u>	IVISO	2	0	12.07	0	2.218	0	65.62
188	:41		3	0		0	2.218	0	
	\$100 L				12.07				46.762
189	17854	ne de la constant de la constant de la constant de la constant de la constant de la constant de la constant de	<u>4</u> 5	0	12.07 12.07	0 0	2.218	0	27.903
190	2	MOO	4				2.218	0	9.044
	3	M39	1 2		15.059	<u>0</u>	1.987	0	71.699
192					15.059		1.987	0	48.169
193	QU/11		3		15.059	0	1.987	0	24.638
194		ASSITTATION OF	4		15.059	<u> </u>	1.987	0	1.108
195		AND AND REPORT OF THE RESIDENCE OF THE RE	5		15.059	0	1.987	0	-22.422
196	3	M40	1		11.426	<u> </u>	2:197	0	19.537
197	SUPERIOR I	ST ACTUMENTS OF THE HOLLOWING	2		11.426	0	2.197	0	1.683
198	38.75		3		11.426	0	2,197	0	-16.171
199	-,		. 4		11.426	0	2.197	0	-34.024
			5.2		11.426	0	2.197	0	-51.878
	3	M41	1	0	7.281	00	2.248	0	-11.744
202		N. Carlotte and Carlotte and Carlotte	2	0	7.281	0	2.248	0	-23.121
203			3	0	7.281	0	2.248	0	-34.498
204			4	0	7.281	0	2.248	0	-45.875
205		•	5	0	7.281	0	2.248	0	-57.253
206	3	M42	1	0.5	2.693	7.75	2.316	0	-19.077
207			2	0	2.693	0	2.316	0	-23.285
208			3		2.693	0	2.316	Ō	-27.492
209			4	0	2.693	0	2.316	0	-31.699
· · · · · · · · · · · · · · · · · · ·	_		•					-	

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

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		er Secuon							
210	LC	Member Label			y Shea	z Shear[k]		y-y Moment	. z-z Moment[k-ft]
211	3	M43	5	0	2.693	0	2.316	0	=35.907 53.074
212	3 ∂ } is	1VI43	2	0	6.546	0	3.312	0	53.974
213	1,117		3	0	6.546 6.546	0	3.312 3.312	0	43.745 33.516
214	::::X		4	0	6.546	0		0	
215	39405	DESCRIPTION OF THE SECONDARY	5				3.312		23.287
216	٠ ٠ ٠	M44	<u> </u>	0	6.546 9.21	0	3.312	0	13.058
217	:3:		1 4 4 4 4 7 1 4 4 4 4 4 4 4 4 4 4 4 4 4	0	9.21	0	3.3		62.68
218	ulian mi	9360 La. (1960 Lette 116	2	0	9.21 9.21	0	3.3	0	48.288
219	SHAFE	M2200000000000000000000000000000000000		+	9.21		3.3		33.897
220	vil mili Havanda	* 100 miles (100 miles	4 5	0		<u>0</u>	3.3	0	19.506
221	3	M45	7	0	9.21		3.3	0	5.115
222	3	IV(45	2	0	12.029 12.029	0	2.924	0	53.086
223	72,57	Minimal Series and Series and Con-					2.924	and the second s	34.291
223	2 3 1 L		3 4		12.029	0	2.924	0	15.496
225	Sec. (1)	ALLE VALUE OF STREET			12.029	0	2.924	0	-3.299
226	· 20	M46	5		12.029	0	2.924	0	<u>-22.094</u>
	٠ ٠ ٠	140	7	0	8.695		3.302	0	10.248
227 228	2500	(1. vig. vi. 1. a. j	<u>2</u> 3	0	8.695	0	3.302	0	-3.337
					8.695	0	3.302	0	-16.923
229	25.25 25.25		<u>4</u> 5	0	8.695	0	3.302	0	-30.508
230	3	B 4 4 7		·	8.695	0.00	3.302	0 %	-44.094
231	<u>ა</u>	M47	1 2	0	5.359	0	3.42	0	-13.044
232	FEE			0	5.359	0	3.42	0	-21.417
233	920		3	0	5.359	0	3.42	0	-29.791
234	250	e pastartin kun ber Mene	4	0	5.359	0	3.42	0	-38.165
235	_	31.50 VA 20 - 50 -	5	0	5.359	0	3.42	0	<u>-46.539</u>
236	ა	M48	And the first property and the second of the second of	00.8	1.742	0	3.552	0	-16.953
237	024	S02209#507#55455000#50	2	0	1.742	0	3.552	0	-19.674
238	7550		3	0	1.742	<u>0</u>	3.552	0	-22.395
239	200 Y	POSSO PER PER PER PER	4	0	1.742	0	3.552	0	-25.117
240	<u> </u>	3.4 C-7.1.40.05.700.1	5	0	1.742	<u> </u>	3.552	0	-27.838
	3	M49	1	0	3.376	<u> </u>	3.937	0	26.858
242	Gatay I		2	0	3.376	Ŏ	3.937	0	21.583
243	Seles"	S. ASSOCIOSOS CARLES	3	0	3.376	<u> </u>	3.937	0	16.309
244	2827		4		3.376	0	3.937	Ò	11.035
245		SECTION AND SECTION	5		3.376	0	3.937	0	5.76
246	ડ	M50	1.		4.552	0	3.944	0	30.631
247	0.000	South was a Aron to his or	2	0	4.552	0	3.944	0	23.518
248	SAX		3		4.552	0	3.944	0	16.405
249			4		4.552	0	3.944	0	9.292
250		NACA .	5		4.552	0	3.944	Ō	2.179
	3	M51	1		6.425	0	3.397	0	26.346
252	5350		2		6.425	Ŏ.	3.397	0	16.306
253	94300		3		6.425	0	3.397	0	6.267
254	03560		4		6.425	Õ	3.397	0	3.773
255		1.4FO	5		6.425	0	3.397	0	-13.812
256	<u>ئ</u>	M52	1		4.479	0	3.998	0	2.681
257	4:90 ·	(14)	2		4.479	0	3.998	0	-4.318
258			3		4.479	Ō	3.998	0	-11.317
259	(50084)	nas galaga ang ang kananana kanana k	4		4.479	0	3.998	0	-18.316
260	<u> </u>	1450	5		4.479	0	3.998	0	-25.315
	3	M53	1	0	2.65	0	4.198	0	-9.426
262	\$};		2	0	2.65	0	4.198	0	-13.567
263	rigary 1	e victorio (non especial establecado)	3	0	2.65	0	4.198	0	-17.708
264	62.0		4	0	2.65	0	4.198	0	-21.85
265		o sogni i se i se se se se s	5	0	2.65	0	4.198	0	-25.991
266	3	<u>M54</u>	1	0	.55	0	4.401	0	-10.829

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

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mher Sect	ion Forces	(By Com	Dillatio	11/ (00)	F1 - 21	Momont	z-z Moment[k-ft]
1110 95 3	label Sec	Axial[k]	Shea	z Shear[k]		<u>y-y Moment</u> 0	-11.689
LC Member	Label Sec 2	0	.55	0	4.401	0	-1 <u>2.548</u>
7	3	0	∴55	· <u>· 0</u> · <u>· ·</u>	4.401		-13.408
8	4	0	.55	0	4.401	0	-14.2 <u>68</u>
39	5	i o	.55	0	4.401	0	6.271
' 0	2777 2778 1	0	.878	0	4.112	0	4.899
71 3 M5	U 1	0.4	.878	0	4.112	0	3.527
72	2	0	.878	0	4.112	0	2.154
73	3	the second section of the second section	878	0 0	4.112	0	.782
74	<u> </u>	_ 0 -	.878	0	4.112	0	6.461
75	5_	_0	1.025	0	4.123	0	4.858
76 3 M5	<u>6 1 1</u>		1.025	0	4.123	0	3.256
77	2	0	1.025	Ŏ	4.123	0	1.654
78	<u>. 3</u>	0		0	4.123	0	
79	4		1.025	0	4.123	0	052
	5	0	1.025		3.593	0	5.592
280 281 3 M	57 1		1.374	0	3.593	0	3,446
<u>. U 1 J</u>	2	0 _	1.374	0	3.593	0	1.299
282	3	0	1.374	0	3.593	0	848
283	4	0	1.374	<u> </u>	3.593	0	-2.994
284	5	0	1.374	<u>. 0</u>	= 4.20 <u>1</u>	Ö	.582
285 M	58 1	0	1.014	0	4.201	0	-1.002
200 9	2	0	1.014	0		0	-2.587
287	3	0.24	1.014	0	4.201	0	-4.172
<u>288</u>	4	0	1.014	0	4.201	27 A. 1887 Bull & SSOS	<u>-5.757</u>
289	5	0	1.014	0	4.201	0	-2.286
<u> 290 </u>	32.3 (32.3 (32.3 (3.4)	0	.612	00	4.434	1. TO SUBSICE PROJECTION	-3.242
291 3 N	159 <u>1</u>	The second of the second second second	.612	0	4.434		-4.198
292	3		.612	0_	4.434		-5.154
293	The second secon		612	0	4.434		-6.11
294	4		.612	0	4.434		-2.77
296	5	CONTRACTOR OF STREET	.063	0	4.667		-2.869
296 3 N	//OU :		.063	0	4.667		-2.969
297			.063	0	4.667	0	-3.068
298	All Landson, Albana and Apple		.063		4.667	7 0	-3.167
299	<u>i</u>	1 <u>0</u>	.063		4.667	7 0	0
300		5 0	112.13		0	0_	00.759
301 3	M61	1 0			0	0	-166.836
302	R. Married St. St. St. Comp. Com. St. Com.	2 0			0	0	-249.233
3/13		3 0			Ŏ	0	
304		4 0	100 50		0	0_	-330.949 -326.858
3/15		50				T1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	-326.858 -326.858
305 306 3	M62	1 0	T-05.4		4.88		-485.977
207	August 1990 - 1990 - 1990	2 0		72 <u> </u>	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	T. 100 Per Care Care Care Care Care Care Care Ca	- <u>642.372</u>
307		3 (103.3		4.88	<u> </u>	-796.046
308		4			25 25 25 25 25 A B B B B B B B B B B B B B B B B B B		<u>-946.996</u>
309		5	99.7				-947.004
310 and and and and and and and and and and	M63	1					<u>-1095.233</u>
Water Street	VILLE OF THE STATE	2 (97.9				-1240.739
12	A180000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		96.0				<u>-1383.523</u>
113	13.00 10.00 10.00		94.2				<i>-</i> 15 <u>23.584</u>
14	(*************************************		0 92.4	670		the second secon	<u>-1519.731</u>
15	MCA		0 88.3	02 0			-1683.17
16 3	<u>M64</u>		0 86.0	33 0		100 CO 10	4040255
117			0 83.7		12.0	<u>,</u>	4007 297
118			0 81.4		12.0)19 0	2447.064
119		4	0 79.2	100	12.0		2147 973
320		5	0 79.2		-10.		2204 396
321 3	M65	1		958		317	2436 565
122		2	0 76.	.69 (40	317	-2400.000

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:56 PM Checked By:

		<u> Jecuon</u>				.1011) (0111			
1,00,000,00		Member Label	Sec		γ Shea	z Shear[k]		y-y Moment	z-z Moment(k-ft)
324	1.32		4		72.421	0	-10.317	0.00	-2574.481
325			5	0	70.152	0	-10.317	0	-2708.143
326	3	M66	1	0 ∴	62.965	0	16.979	0	-2704.929
327	Ī		2		60.696		16.979	0	-2820.861
328			เรื่อ		58.427		16.979	Ŏ	-2932.538
329	385 8	An el let et Mertwalker entswere en			56.159		16.979	0	-3039.962
		BANG-ABAR ARWAS	4 5					0	
330	_	1107	<u> </u>	0	53.89	0	16.979		-3143.133
	3	M67	1	0	53.89	0	-15.705	0	-3143.139
332			2		51.621	0	-15.705	0	-3242.055
333			3	0	49.352	0	-15.705	0	-3336.718
334	2	46.99.99.95.49.89	4	0.8	47.084	440000 0 45460	-15.705	0	-3427.126
335			5	0	44.815	0 .	-15.705	0	-3513.28
336	3	M68	1111	0	35.94	0	19.816	0	-3511.169
337	-	11100	2		33.672	0	19.816	Ö	-3576.43
338	3.65	the site and extent the first	3		31.403		19.816	0	-3637.437
	1.2.2.2.2.2	NATED CONTRACTOR AND THE CONTRACTOR	,						
339	1000000	Was Administration	4		29.134	0	19.816	0	-3694.19
340			5		26.865		19.816	0	-3746.689
341	3	M69	1		26.865	0	-19.145	0	-3746.693
342	饕餮		2	0	24.597	0	-19.145	0	-3794.938
343			3	0	22.328	0	-19.145	0	-3838,929
344	50.5	SEC STATES SECURITION	4		20.059	0	-19.145	0	-3878.667
345			5	0	17.79	0	-19.145	0	-3914.151
346	2	M70	5 S 1	o o	8.094	ŏ	20.474	0-4-	-3913.447
	٠٠٠	IVI) U	Transfer and Transfer Section		5.826				
347	36 N/25	PERSONAL SERVICES	2	0		0	20.474	0	-3926.497
348		33-1-31-32-31-31-31-31-31-31-31-31-31-31-31-31-31-	3	0	3.557	0	20.474	0	-3935.294
349			4	0	1.288	0	20.474	0	-3939.836
350		45.26.32.3.4	5	0.0	981	0	20.474	0	-3940.124
351	3	M71	1	0	- 981	0	-20.499	0	-3940.124
352		CONTRACTOR SERVICES	2	0	-3.249	0	-20.499	0	-3936.159
353			3		-5.518	0	-20.499	0	-3927.939
354		15-re-2 13 CS 05/5	4		-7.787	Ŏ	-20.499	Ŏ	-3915.466
355	1.00	Santana Market et al a la se Santana et e el	5	•	-10.056	0	-20.499	0	-3898.739
356	്വ	M72	A SANSA A CONTRACT		-19.722	0			
	.	IVI/Z					18.97	Ŏ	-3899.548
357	Charles	www.h. www.wich.us.com.anc.com.	2		-21.991	0	18.97	0	-3860.443
358			3	0	-24.259	0	18.97	0	-3817.083
359			44	0	-26.528	0	18.97	00	-3769.47
360	30		5	0	-28.797	0	18.97	0	-3717,603
361	3	M73	1	0	-28.797	0	-19.689	0	-3717.599
362	žą. 3.	- 314.42.055 52.42.3	2		-31.066	0 :- :	-19.689	- 0	-3661.479
363			3		-33.334	0	-19.689	0	-3601.104
364	1550		4		-35.603	0	-19.689	0	-3536.475
365		- market of the state of the st	5		-37.872				2467 502
	ക	3 47 4	j ,			0	-19.689	0	-3467.593
366	ა	M74	4-0399-T-59-0399-		-46.658	0	15.389	0	-3469.795
367	Section 1	The second second second second second second	2		-48.927	0	15.389	0	-3380.185
368	Y.		3	0	-51.195	0	15.389	0	-3286.321
369			44	0	-53.464	0	15.389	0	-3188.203
370	3		5	0	-55.733	0	15.389	0	-3085.831
371	3	M75	1		-55.733	0	-16.699	0	-3085.824
372	253		2		-58.002	ŏ	-16.699	0	-2979.199
373		AND AND AND REAL PROPERTY.	3		-60.27	0	-16.699	0	-2868.319
	grate.	tid of the original description that the	4		-62.539	0			
374	-0.43						<u>-16.699</u>	Ŏ	-2753.186
375		Wards Bigg Library	5		-64.808	0	-16.699	0	-2633.799
376	3	M76	1		-71.854	0 -	9.87	0	-2637.075
377			2		-74.123	0	9.87	0	-2500.222
378		18/4/2015	3	0	-76.392	0.5	9.87	0	-2359.115
379			4	0	-78.66	0	9.87	0	-2213.754
380		REPARENCE !	5		-80.929	Ö	9.87	o o	-2064.14
	التنتيد	A. A. C. D. B. C. C. S. S. S. S. S. S.		eng.e-1					THE RESIDENCE OF THE TRANSPORT OF THE PROPERTY

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:56 PM Checked By:

						**********	ition) (Con			· · · · · · · · · · · · · · · · · · ·
		Member Labe		/		k] y Shea			y-y Moment.	z-z Moment[k-ft]
	3	M77	1		0	-80.929		-11.595	0	-2064.131
382			2		0	-83.198		-11.595	0.00	-1910.262
383			3		_0	-85.467		-11.595	0	-1752.14
384			4		0	-87.735		-11.595	0	-1589.764
385			5		0	-90.004	0	-11.595	0	-1423.134
386	3	M78	1		. 0	-93.88	3	2.449	0	-1427.011
387	ı		2		0	-95.536	0	2.449	0	-1297.405
388	000		3		0	-97.192	0	2.449	0	-1165.532
389			4		0	-98.847		2.449	0	-1031.394
390	755	attache Straff albert	5	91E 5	Ö	-100.50		2.449	Ö	-894.989
	3	M79	1		0	-100.50		-4.344	Ŏ	-894.982
392	Ĭ		2	Q 4	- O	-102.15		-4.344	0.0	-756:312
393		actions of the country	3	200 0 62 0 6	0	-103.81		-4.344	0	-615.376
394	9157	er a vira som mass	4	2446	0	-105.47		-4.344	0	-515.576 -472.173
395		wanti and rame to a designated	5	magnetie beg		-107.12			-	
	50	N 400	3.	287	0			-4.344	0	-326.705
396	J	<u> M80</u>	WARRED 1889		0	-108.50		0 - 0	0	-330.798
397	yui.		2		0	109.41		0	0	-249.119
398	984		3	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>	110.31		<u> </u>	0	-166.759
399	200.0	LOS NOSES, CÓSES DESENDOS NO	4	Sec. 201	0	-111.22		0	0	-83.72
400			5	3800 S	0	-112.13	10 10 to 10	0	0	0
	3	<u>M81</u>	1		0	105.385		0	0	0
402		Alexanders in	2	100	. 0	104.396		0	0	-77.986
403			3		-0	103.407		0	0	-155.237
404			_ 4		<u> </u>	102.418		0	0	-231.753
405		_	5		0	101.429	0	0	0	-307.533
406	3	M82	1		0	100.342	0	4.371	0	-307.542
407	T		2		0	98.365	0	4.371	0	-455.28
408		A kodo Bris L	3	38 A	Ò	96.387		4.371	0	-600.078
409			4		0	94.409		4.371	0	-741.934
410		A CONTRACTOR	5	326	0	92.431		4.371	Ö	-880.85
	3	M83	1	****	0	92.431		-2.956	0	-880.855
412	Ĭ.		2	202 H	o.	90.454		-2.956	0	-1016.83
413	100 2	-CARPANALATINA AND AND AND AND AND AND AND AND AND A	3	38 W 0	0	88.476		-2.956	0	
414	7	wa inga pakanan maka	4	Projetici	0				0	-1149.865
415	25-21-2	esso at the season of the		S0036 F52		86.498		-2.956		-1279.958
416	3 1 2	M84	5	a Webin	0	84.521		-2.956	0	-1407.11
	5	IVIO4		5419 50	0	82.222		10.939	0.00	-1407,158
417	- Co		2	1997 to 100	0	79.749		10.939	0	-1557.689
418	S.J.	Masa of population (46)	3.2	38. 3	0	77.277		10.939	0	-1703.625
419			4		0	74.805		10.939	0	-1844.966
420			5		0	72.333			0	-1981.712
421 (3	M85	1		0	72.333		-9.668	0	-1981.719
422	% [2		0	69.861		-9.668	0	-2113.87
423			3		0	67.389		-9.668	0	-2241.425
424		45-100-2-3-3-5-2	4 4	470 M	0	64.917		-9.668	0	-2364.386
425		-	5		0	62.444		-9.668	0	-2482.752
426	3	M86	1	VIII.	0	58.669		15.463	0	-2482.793
427		_	2	\top	0	56.197		15.463	0	-2589.547
428			3	171	0	53.725		15.463	Ö	-2691.705
429			4		0	51.253		15.463	0	-2789.269
430			5	3X 33	· 0	48.781		15.463	0.000	-2882.238
	3	M87	1	1	0	48.781		-14.509	0	-2882.243
432	44 P	IVIO1	2	500	0	46.309		-14.509	0	-2802.243 -2970.616
433	-12 P/	-university of the second of t	3	- 64 (135)		43.837		-14.509		-3054,394
434	95 2		<u>s</u> 4	3 2 8 1 2 8	<u>0</u>			-14.509 -14.509	0	
	****			nart práj		41.364			0	-3133.578
435	,	- 1 400	5	Jac 197	0	38.892		-14.509	0	-3208.166
436 3	2::		1	204 20	0	34.059		18.058	0	-3208.19
437	_		2	l	0_	31.587	0	18.058	0	-3269.198

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

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	LC	Member Label	. Se	iC	Axial[k]	y Shea	_z Shear[k]	Torquelk-ftl	v-v Moment	. z-z Moment[k-ft]
438	8.4	1002/27/03/2019	3	and a	0 🦟	29.114		18.058	0	-3325.612
439			4		0	26.642	0	18,058	0	-3377.431
440		\$ 14 Per 19 Per	5		0	24.17	0	18.058	0	-3424.654
441	3	M89	1		0	24.17	0	-17.554	0	-3424.657
442	3.4 3.44		2		0	21.698		-17.554	0	-3467.286
443			3		0	19.226		-17.554	Ö	-3505.319
444	36	. (5.55), (1.45), (5.75)	4		Ŏ.	16.754		-17.554	5-0 0 5-0	-3538.757
445			5		0	14.282		-17.554	Ō	-3567.601
446	3	M90	* 1 1 1		Ŏ	9.008	ŏ	18.697	Ŏ	-3567 608
447			2	<u>ien straf el aeri</u>	0	6.536	0	18.697	0	-3582.055
448	300	75345-3513454-3474	3	10-X11-331- 	0	4.064	0	18.697	Ŏ	-3591.907
449	5, 17,740	Alternative or an extension of a contract the	4		0	1.592	0	18.697	0	-3597.164
450	Agrah	erational department of	5		0	88	0	18.697	0.33	-3597.104
451	3	M91	1	JOSEPH CONTRACTOR	0	88				
452		IVIOI	2	3823927	0	-3.352	0	-18.716 -18.716	0	-3597.825
453	ASTERNAL TO									-3593.892
			3		0	-5.824	0	-18.716	0	-3585.363
454	3894	1 15 5 10 10 10 10 10 10 10 10 10 10 10 10 10	4		0	-8.296	0	-18.716	0	-3572.24
455		1000	5		0	-10.769	0	-18.716	0	-3554.521
456	3	M92	C		0	-16.027	0	17.401	0	-3554.513
457	754400	Geldyels in sopy, haddene	2	SUMMERS F	0	-18.499	0	17.401	0	-3522.425
458	34) P		3	4505,6	0	-20.972	0	17.401	0	-3485.741
459	a test		4	areto toto c	0	-23.444	0	17.401	0	-3444.463
460			- 5	188,1830	0	-25.916	0 · 0	17.401	0.5	-3398.59
461	3	M93	1	State And Car	0	-25.916	0	-17.94	0	-3398.587
462			2		0	-28.388	0	-17.94	0	-3348.119
463	-5 V S. I	mindescorito del attesticiono	3	No. 176 No. 5 Garden	0	-30.86	0	-17.94	00	-3293.055
464	\mathcal{L}_{i}		4	Magnetics of	0	-33.332	0	-17.94	0 🖘 🖘	-3233.397
465			5		0	-35.804	0	-17.94	0	-3169.144
466	3	M94	1		000	-40.588	0	14.226	0	-3169.119
467			2		0	-43.06	0	14.226	00	-3091.379
468			3		0	-45.532	Ö	14.226	0	-3009.044
469			4		0	-48.004	0	14.226	0	-2922.114
470	\$.		- 5		0	-50.476	0	14.226	0	-2830.589
471	3	M95	1		0	-50.476	0	-15.208	0	-2830.584
472	[数]		2		0	-52.948	0	-15.208	0	-2734.464
473			3		0	-55.421	0	-15.208	0	-2633.749
474			. 4		0	-57.893	0	-15.208	0	-2528.439
475			5		0	-60.365	0	-15.208	0	-2418.534
476	3	M96	1		÷ 0	-64.029	0	9.265	0	-2418.491
477			2		0	-66.501	0	9.265	0	-2297.18
478			3	\$45A	0	-68.973	0	9.265	0	-2171.274
479			4			-71.445	0	9.265	0	-2040.774
480	TEA		5	S.C.S.C.A.		-73.917	0	9.265	-0	-1905.678
	3	M97	1		. 0	-73.917	0	-10.552	Ŏ	-1905.671
482			2	MARKEN T		-76.389	0	-10.552	Ō	-1765.98
483			3	i	Ö	-78.862	ō i	-10.552	Ö	-1621.695
484	- 1907 - 1907	\$13. 1.50 E2HQ.A48.0	4	WE SHAPE		-81.334	ŏ	-10.552	ŏ	-1472.814
485	******		5		0	-83.806	0	-10.552	0	-1319.338
486	3	M98	14 M18	Quita :		-85.982	0	2.453	* 0	-1319.291
487	-		2	- 10 and 2000		-87.787	0	2.453	0	-1201.421
488	ratava.	No. 1250 Film of Survey Classes	3	(SERVE)		-89.591	0	2.453	0	-1081.103
489	72.50		4	and the second	0	-91.395	0	2.453	0	-958.338
490	M		5	18 A C	0.50	-93.2	0 0	2.453	0	-930.336 -833.124
	3	M99	1	entering of the	0	-93.2 -93.2				
491	<u> </u>	IVIÐÐ	1	nagareti :		-95.004	0	-3.871	0	-833.119 -705.458
493	1527	engstyre committee grows		was spirit		-96.808		-3.871		
	20021	ordanie Solembanie in	3	1975 SA			0	-3.871	0	-575.349
494			4	CALLES !	0	-98.613	0	-3.871	0	-442.792

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

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	LC	Member Label	Sec	Axial[k]	y Shea	. z Shear[k]	Torque[k-ft]	y-y Moment	z-z Moment[k-ft]
495			5	0	-100.417		-3.871	0	-307.788
496	3	M100	- 1	0	-101.564		0	0	-307.783
497			2	0	-102.552		0	0	-231.939
498			3	0	-103.541		0	0	-155.36
499			4	0	-104.529		0	0	-78.047
500			< 5 €	0	-105.518		0	0	0
501	3	M101	1	0	103.741		0	0	0
502	1500		2	0	102.761		0	0	-76.096
503			3	0	101.781		0	0	-151.47
504	12.3	no Grandina	4	0	100.801	0	- 0	0	-226.122
505			5	0	99.82	00	0	0	-300.051
506	3	M102	1	0.2	98.396		4.262	0	-300.612
507	1.00	:21	2	0	96.436		4.262	00	-444.203
508	100		3	0	94.475		4.262	0	-584.904
509			4	0	92.515		4.262	0	-722.716
510	Sec.		∃÷ ≈ 5		90.555		4.262	0	-857.638
511	3	M103	1		90.555		-2.872	00	-857.644
512	32		2		88.594		-2.872	0	-989.676
513	1 2		3		86.634		-2.872	0	-1118.819
514			4		84.673		-2.872	0	-1245.073
515			5		82.713		-2.872	00	-1368.436
516	3	M104	1	0	79.723		10.608	0	-1369.02
517			2	0	77.273		10.608	0	-1513.652
518	50.55		3	0	74.822	0	10.608	0	<u>-1653.769</u>
519			4	0	72.372	0	10.608	00	-1789.371
520			5	0	69.921	0	10.608	0	-1920.458
521	3	M105	1		69.921		-9.362	0	-1920.464
522	£300	নতে প্রাক্তিক জ্বাইলার	2	0	67.471	0	-9.362	0	-2047.036
523			3	0	65.02	00	-9.362	0	-2169.092
524			4		62.569	0	-9.362	0	-2286.634
525			5		60.119	0	-9.362	0	-2399.66
526	3	<u>M106</u>	3331333		56.276	0	14.916	0	-2400.054
527			2		53.825	0	14.916	0	-2501.484
528		100000000000000000000000000000000000000	3		51.375	0	14.916	0	-2598 <u>.399</u>
529			4		48.924	0	14.916	0	-2690.799
530			5		46.473	0	14.916	0	-2778.684
531	3	M107	1		46.473	0	-13.979	0	-2778.689
532	WA.	A 6 8 8 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2		44.023	0	-13.979	· 0	-2862.058
533	V-1-1-1		3		41.572	0	-13.979	0	-2940.913
534			4		39.122	0	-13.979	0	-3015.252
535	*******	- 1-3-2-2-2-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-	5		36.671	0	-13.979	0	-3085.077
536	3	M108	1	0	32.67	0	17.353	0	-3085.316
537	.,3	3.545, 3.44 March (1.44 St.)	2		30.219	0	17.353	0	-3143.252
538	950	2000 1000 1000 1000	- 3		27:769	Ō	17.353	0.0	-3196.674
539	52,5455		4		25.318	0	17.353	0	-3245.58
540	287		5		22.868	0	17.353	0	-3289.972
541	3	M109	1		22.868	0	-16.858	0	-3289.974
542	79A7	P. C. C. C. C. C. C. C. C. C. C. C. C. C.	2		20.417	0	-16.858	3 7 O 1 7 7 1	-3329.851
543	Sept 11.1	Charles and the Control of the Contr	3		17.967	0	-16.858	0	-3365.212
544	MIN.		4		15.516	0	-16.858	0	-3396.058
545	100	Constant	5		13.066	0	-16.858	0	-3422.389
546	3	M110		0	8.972	<u>0</u>	17,941	0	-3422.466
547	نا در بنجشر		2	0	6.521	0	17.941	0	-3436.739
548			············3	0	4.071	<u> </u>	17.941	0.0	-3446.497
549	3 1	Elektronia and an analysis	4	0	1.62	0	17.941	0	-3451.739
550	Fait !		5	0	83	ō	17.941	0	-3452.466
551	3	<u>M111</u>	1	0	83	0	-17.96	0	-3452.466

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

July 21, 2013 1:56 PM Checked By:

	LC	: Member Labe	: اد	Sec	Ayial[k]	y Shea	. z Shear[k]	Torquelk-ftl	y-y Moment.	z-z Moment[k-ft]
552			1 (2.5)	2	100	-3.281		-17.96	0	-3448.679
553				3	0	-5.732		-17.96	0	-3440.376
554	N 4%	\$25,000,000,000	A START	4	Ö	-8.182		-17.96	0	-3427.558
555				5	0	-10.633		-17.96	0	-3410.225
556		M112	C GREEN	- 7	0	-14.723		16.714	Ö	
557	100	I CONTINUE IN LABOR.	C. Disk geld:	2		-17.173				-3410.136
558	0 375		S 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	0	-19.624	0	16.714	0	-3380.752
	0.000	1.01976.01906.000	a service		0		0	16.714	0	-3346.854
559	S 1000 10	Contract Con	2 1 10 22 10 10 10	4	0	-22.074	0	16.714	0	-3308.44
560				5	0	-24.525		16.714	0	-3265.511
561	3	M113		1	0	-24.525	0	-17.243	0	-3265.508
562	186	1000 250 HOUSE ARES	5 (48% CT)	2	0	-26.975	0	-17.243	0	-3218.064
563	<u> </u>			3	0	-29.426	0	-17.243	0	-3166.105
564	100		P Winds	4	0	-31.876	0	-17.243	0	-3109.631
565	1.			5	0	-34.327	0	-17.243	0	-3048.641
566	3	M114		1	0	-38.317	0	13.712	0	-3048.391
567	Π			2	0	-40.767	Ō	13.712	0	-2975.535
568		150 ms 18 7 ms 19 7 ms		3	0	-43.218	0	13.712	0	-2898.165
569		The state of the s	A TOTAL MARK TANK	4	0	-45.668	0	13.712	0	-2816.279
570	188	\$552.60 (E-6),100 (a estilicita	5	0	-48.119	0	13.712	0	
571	3	M115	3486,3,363	1	,	-48.119				-2729.877
572	82,82	191119	1. They are 1	2	0	-50.569	0	-14.675	0	-2729.872
	15362		1999/20		0		0	-14.675	0	-2638.956
573	44-		Sidensia	3	0	-53.02	0	<u>-14.675</u>	0	-2543.525
574	600		`	4	0	-55.47	0	-14.675	0	-2443.579
575	62EF 6	1000 to		5	0	-57.921	0	-14.675	0	-2339.118
576	3	<u>M116</u>		1	0	-61.739	0	8.975	0	-2338.713
577				2	0	-64.19	0	8.975	0	-2222.701
578				3	0	-66.64	0	8.975	0	-2102.174
579				4	0	-69.091	0	8.975	0	-1977.131
580	2		1203	5	0	-71.541	0	8.975	0	-1847.574
581	3	M117		1	0	-71.541	0	-10.237	0	-1847.568
582			1888	2	0	-73.992	Ö	-10.237	Ö	-1713.496
583				3	0	-76.442	0	-10.237	0	-1574.908
584	750	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4	0	-78.893	Ö	-10.237	0	-1431,806
585	.,.,			5	0	-81.343	0	-10.237	0	-1284.189
586	3	M118		1	0	-84.217	0	2.382	0	
587	0	The MANAGER OF THE STATE		2	0	-86.005				-1283,59
588	100	1. 21-22 E. 25-25		3		-87.794	0 0	2.382	0	-1169.136
589	7.12	(-89.582		2.382	0	<u>-1052.276</u>
	23.54			4	0		0	2.382	0	-933.011
590	•	B4440		5		-91.371	0	2.382	0	-811.341
591	3	<u>M119</u>		1		-91.371	0	-3.776	0	-811.336
592	#8%			2		-93.159	<u> </u>	-3.776	0	-687:261
593		XXXXX		3	0	-94.948	0	-3.776	0	-560.781
594	89.			4		-96.736	0	-3.776	0	-431.895
595				5		-98.525	0	-3.776	0	-300.605
	3	M120		150000		-99.873	0	0	0	-300.06
597				2		100.853	0	0	0	-226.128
598	8000 E		30.5	3	0	101.833	0	0	0	-151,473
599				4		102.813	0	0	Ŏ	-76.098
600		A 10 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10		5		-103.792	0	in O	o o	0
	3	M121		1		73.333	0	0	0	0
602	N. Contraction	Consider a delication of the constant		2		72.42	0	0	0	-53.237
603		Eliza Egip i distribe e Monte de la Facilità di		3		71.507				
604	Y. (V			<u> </u>			0	0	0	-105.806
	(3) ·	10.000000000000000000000000000000000000				70.594	0	0	0	-157.709
605	2	NACO		5 4 *********		69.681	0	0	0	-208.944
606	<u>ئ</u>	M122	2	12000		69.144	0.00	2.685	0 4	-208.338
607	-CV-V			2		67.318	00	2.685	0	-308.023
608			\$155/E	3	0 (65.491	0	2.685	0	-405.04

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

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						tion) (Com	cirra o a /		
	<u>LC</u>	Member Label	Sec	Axial[k]	y Shea		Torque[k-ft]	y-y Moment	. z-z Moment[k-ft]
609			4	0	63.665	0	2.685	0	-499.388
610	£ 3,733	CONTRACTOR OF C	5	0	61.839		2.685	Ŏ	-591.069
611	3	M123	1		61.839		-2.232		
	1000	IVIIZO		0				0	-591.071
612	100	MARINE MARINE SERVICE	2	0	60.013		-2.232	0	-680.083
613			3	0	58.186	0	-2.232	0	-766.428
614	49	10-80 (HT 194)	4	0	56.36	0	-2.232	0	-850.104
615			5	0	54.534		-2.232	0	-931.112
616		M124		l ő	55.631		6.98	0 0	-930.559
		IAL IZ-	100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·					
617		CONTRACTOR SERVICES CONTRACTOR	2	0	53.348		6.98	0	-1030.07
618	130.5		3		51.065	0	6.98	0	-1125.413
619			4	0	48.782	0	6.98	0	-1216.586
620			5		46.499	0	6.98	0	-1303.59
621	3	M125	1	0	46.499		-6.576	0	-1303.592
622	0.46	2470506505050	2					0	
	1000		·		44.217		-6.576		-1386.427
623			3		41.934		-6.576	00	-1465.093
624	50.00	(C) (2.12-01 S1)	4	0	39.651	0.000	-6.576	0 2000	-1539.59
625			5		37.368	0	-6.576	0	-1609.918
626	3	M126	1		39.734	0	9.855	Ö	1609.57
627		IVIIZU	2						
	2000	Livings (1922) for progress sections		0	37.451	0	9.855	0	-1680.05
628			3		35.169		9.855	0	-1746.361
629	ŀ		4	0	32.886	0	9.855	0	-1808.503
630	- S. C.		5	0	30.603	0	9.855	0	-1866.477
631	3	M127	1		30.603	0	-9.553	0	-1866,478
632	547 C	2.2426.8	2	0	28.32	0	-9.553	0	
	1200	principal designation of the	1 181 - 1 181			** *** *** ** ** ** ** ** *****			-1920.282
633	10000	Provide Citizano no homose no	3		26.037	0	-9.553	0	-1969.917
634	養無	Addition of the field	4		23.755	0	-9.553	0	-2015.384
635	Ì		5	0	21.472	0	-9.553	0	-2056.681
636	3	M128	1 88 P		24.116	0	11.515	0	-2056.491
637			2		21.834	0	11.515	0	-2098.449
	250	2022380668000	3					and the second second second second	
638	4430				19.551	0	11.515	0	-2136.238
639	100 10		4	0	17.268	0	11.515	0	-2169.859
640	20		5	0	14.985	18 60	11.515	0	-2199.31
641	3	M129	1	0	14.985	0	-11.356	0	-2199.311
642	v=0.4	200000000000000000000000000000000000000	2		12.702	0	-11.356	Ō	-2224.593
643	7771,73	and Albert Afficiation in the property of the	3	0	10.42	0	-11.356		-2245.706
	5855	PSS CARS AND AND AND AND AND AND AND AND AND AND				m m		0	
644	ASTAN		4		8.137	0	-11.356	0	-2262.651
645			5	0	5.854	00	-11.356	0	-2275.426
646	3	M130	455 1 55 5	> 0 ·	8.589	* · · · · · · · · · · · · · · · · · · ·	11.98	0.476	-2275,368
647			2	0	6.306	0	11.98	0	-2288.97
648	350		3	Ŏ	4.024	Ŏ	11.98	Ŏ	-2298.403
649		a til pracatalit i sedimentiti							
	-7,-532	was was was as	4	0	1.741	0	11.98	0	-2303.666
650	:::F:::		5	0	542	0	11.98	0	-2304.761
651	3	M131	1	0	542	0	-11.986	0	-2304.761
652	7 (1) 46 (1) (1) (2)		2	- 0	-2.825	0	-11.986	0	-2301.687
653			3	0	-5.108	0	-11.986	0	-2294.443
654	35	garay a fiyaya	4	Ö	-7.39	0	-11.986	Ŏ	-2283.031
655	1		5	0	-9.673	0	-11.986	0	-2267.45
656	3	M132	1.00		-6.941	0	11.267	0	-2267.516
657			2	0	-9.224	0	11.267	0	-2252.756
658	(PY)	Control Control	3		-11.507	0	11.267	0	-2233.826
659			4		-13.789	0	11.267	0	-2210.728
	Agin (2002030505050558	5		-16.072	Andread to the second of the s			
660	23	1400				0	11.267	0	-2183.46
	3	M133	1		-16.072	0	-11.438	0	-2183.459
662	(1464) (1754)	1986, 1981-988, 1975, 7	2	10 O 10	-18.355	- 7 - 0	-11.438		<u>-2152.023</u>
663			3	0	-20.638	0	-11.438	0	-2116.417
664	983		4		-22.921	Ö	-11.438	Ŏ	-2076.643
665	41 mg/K	ig value, military substitution that fifty fill	5		-25.204	0			
000			J .	Ų.	-20.204	U	-11.438	0	-2032.7

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

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	LC	Member Label	Sec	Axial[k]	γ Shea	. z Shear[k]	Torque[k-ft]	y-y Moment.	. z-z Moment[k-ft]
666	3	M134	1	0	-22.57	80 0 0	9.384	0 ·	-2032,899
667	_		2	0	-24.853	0	9.384	0	-1989.596
668	343		3	0	-27.136	0	9.384	0	-1942.1 <u>23</u>
669	L.		4	0	-29.419	0	9.384	0	-1890.481
670	33	SENSON SERVICE	- 5	0	-31.702	0	9.384	0	-1834.671
671	3	M135	1	0	-31.702	0	-9.694	0	-1834.669
672	19.5		2	0	-33.984	0	-9.694	0	-1774.69
673			3	0	-36.267	0	-9.694	0	-1710.541
674	23		4	0	-38.55	0	-9.694	0	-1642.224
675	30.7.0	Total Control of the	5	0	-40.833	0	-9.694	0	-1569.738
676	3	M136		0	-38.499	0	6.323	0.	-1570.098
677		Norman Company	2	0	-40.782	0	6.323	0	-1497.705
678	MAN.		3	0	-43.064	0	6.323	0	-1421.144
679		1.00	4	0	-45.347	0	6.323	0	-1340.413
680			5	0	-47.63		6.323	0	-1255.513
681	3	M137	1	0	-47.63	0	-6.733	00	-1255.511
682	(7/3)	1947 97 22 25 4	2	0	-49.913	0	-6.733	0	<u>-1166.442</u>
683	s works	A SECTIONAL DESIGNATION OF	3	0	-52.196	0	-6.733	0	-1073.204
684	999		4	0	-54.478	0	-6.733	0	-975.798
685	0 <u>2</u> 15	 	5	0	-56.761	0	-6.733	0	-874.222
686	ં	M138	100	0	-55.815	0	1.895	0 s	-874.79
687	natoš:	La trade de Nacional de La Companyo	2	0	-57.481	0	1.895	0	-799.283
688	FV	\$ J. S. SA 42 5 5 1	3		-59.148	0	1.895	0	-721.555
689	.076 (N)	Contraction - 8722 on Children Commun.	4	0	-60.814	0	1.895	0	-641.606
690			5	0	-62.48	0	1.895	0	-559.436
	3	M139	1	0	-62.48	0	-2.35	0	-559.434
692	(A)		2	0	-64.146	0	-2.35	0	-475.044
693	355.7	100000000000000000000000000000000000000	3	0	-65.812	0	-2.35	0	-388.433
694	ij.	A CONTRACTOR OF THE PARTY OF TH	4		-67.478	0	-2.35	0	-299.601
695	PERM	-circle and or a second second	5	0	-69.144	0	-2.35	0	-208.548
696	3	M140	1		-69.785	0	.0	0	-209.145
697	3979.0		2		-70.697	00	0	0	-157.859
698	53 A	25,000,000,000	3		-71.61	0	0	0	-105.905
699	N345 \$14	20 NH - 1 CONT. 200 CR. 10 A	4		-72.523	0	0	0	-53.286
700			5		-73.436	0	0	0	0
	3	M141	1		71.543	0	0	0	0
702	\$894	4 (2 K) (3 (5) (4 K)	2		70.638	0	0	0	÷51.47
703	1120 da	And in the second of the Second	3		39.733	0	0	0	-102.284
704	ES.	Entral Vicinity And State (Sec.)	4		38.828	Ō	0	0	-152,443
705	~	300000000000000000000000000000000000000	5		37.923	0	0	0	-201.947
706	<u>ح</u>	M142	1		37.309	0	2.61	0	-201.725
707	225		2		35.499	0	2.61	0	-297.877
708	3000		3		63.689	0	2.61	0	-391.409
709	2014	10,11,51,620,7,657,943,764,971	4		31.879	0	2.61	0	-482.32
710	2	N#4 40	5		30.069	0	2.61	0	-570.61
	3	M143	1		30.069	0	-2.137	0.0	-570.611
712	24.		2		58.259	0	-2.137	0	-656.281
713			3		56.449	0	<i>-</i> 2.137	0	-739.329
714	8:53		4		54.639	0	-2.137	<u> </u>	-819.756
715	2	N S A A A	5		52.829	0	-2.137	0	-897.563
716	<u>J</u>	M144	1		53.799	0	6.729	0	-897:399
717	Q24		2		51.536	0	6.729	0	-992.727
718	(Š) (Brook British Calyar .	3		49.274	0	6.729	<u> </u>	-1083.96
719	25 SOT 1		4		47.011	0	6.729	0	<u>-1171.097</u>
720	~	N.S.4.5	5		14.749	0	6.729	Ŏ	-1254.14
721	<u>خ</u>	M145	1		14.749	0	-6.313	0	-1254.142
722	321 E		2	0 4	12.486	0	-6.313	0	-1333.089

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	LC	Member Label	Sec	Axial[k]	y Shea	z Shear[k]	Torque[k-ft]	v-v Moment	z-z Moment[k-ft]
723	T		3		40.224		-6.313	0	-1407.941
724	E4		4	0	37.961		-6.313	O O	-1478.698
725	1		5	0	35.699		-6.313	0	-1545.36
726	3	M146	i i i	Ö	38.121		9.452	o ŏ	-1545.265
727		- Was -IVI IAO (MAS)	2	0	35.859		9.452	0	-1612.217
728	1013	22876-04782-048	3	0	33.596		9.452	0	-1675.074
729	-000	Broak and a ment a period for this as,	·	0	31.334		9.452	0	-1733.835
	237/6	X131574X3905564445	<u>4</u> 5		29.071		9.452	0	
730	300	B 64 47							-1788.502
731	3	M147	1		29.071	0	-9.146	0	-1788.503
732	800	(2		26.809		-9.146	0	-1839.075
733	300		3		24.546		-9.146	0	<u>-1885.551</u>
734	1800	AND CALCUES A SEED	4		22.284		-9.146	0.00	-1927.932
735	ļ.,	W. W. C. L. C. C. C. C. C. C. C. C. C. C. C. C. C.	5		20.021	0	-9.146	0	-1966.218
736	3	M148	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		23.199		11.006	0	-1966.18
737			2		20.936	0	11.006	0	-2006.123
738	3.7.2		3	0	18.674	0	11.006	. 0	-2041.97
739			4	0	16.411	0	11.006	0	-2073.722
740			5	0	14.149	0	11.006	0	-2101,38
741	3	M149	1	0	14.149	0	-10.846	0	-2101.38
742			2	0	11.886	0	-10.846	0	-2124.942
743			3	0	9.624	0	-10.846	0	-2144.409
744		\$ 41 mail at	4	0	7.361	0	-10.846	Ö	-2159.781
745			5	0	5.099	0	-10.846	0	-2171.057
746	3	M150	ĭ	Ö	8.54	Ö	11.436	Ö	-2171.049
747	<u> </u>	101100	2	0	6.278	0	11.436	0	-2184.459
748			3	0	4.015	0	11.436	0	-2193.775
749	wy.	14400121012112112112	4	0	1.753	0	11.436	0	-2198.995
750	5386		5	0	51	0	11.436	0	-2198.993 -2200.12
	200	NA4 E 4							
751	3	M151	1 2	0	51	0	-11.442	0	-2200.12
752	No.			0	<u>-2.772</u>	0	-11.442	0	-2197.15
753	80347		3	0	-5.035	0	-11.442	0	-2190.085
754	350	80.00	4	# d 0	-7.297	0	-11.442	0	-2178.925
755	12.30	10 Tex 20 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5	0	-9.56	0	-11.442	0	-2163.67
756	3	M152	1	0	-6.126	0	10.763	0	-2163.68
757	2000	THE SAME OF THE PARTY AND ADDRESS.	2	0	-8.389	0	10.763	0	-2150.544
758		entary of a Receive	3	0	-10.651	0	10.763	0	-2133.314
759			4	0	-12.914	0	10.763	0	-2111.988
760	5.4		5	0	-15.176	0	10.763	0	-2086.567
761	3	M153	1	0	-15.176	0	-10.934	0	-2086.566
762			2	0	-17.439	0	-10.934	0	-2057.05
763			3	0	-19.701	0	-10.934	0	-2023.438
764			4	0	-21.964	0 0	-10.934	0	-1985.732
765			5	0	-24.226	0	-10.934	0	-1943.931
766	3	M154	1	0	-21.081	0	8.986	Ō	-1943.971
767			2	0	-23.344	0	8.986	0	-1903.767
768	injak		3	ŏ	-25,606	Ŏ	8.986	Ŏ	-1859.467
769			4	0	-27.869	0	8.986	0	-1811.072
770	200		5	0.7	-30.131		8.986	0.5	-1758.582
771	3	M155	1	0	-30.131	0	-9.301	0	-1758.581
772	9 ₆ 6.	TALLIOU	2	0	-32.394	0	-9.301 -9.301	0	-1701.996
773	25.00	- paracologiana and estatem	3	0	-34.656	0	-9.301 -9.301	0	-1641.316
	J. 14(6)				-36.919		-9.301 -9.301		
774	2000	Lagran, Martin Palifields	4	0				0	-1576.541 4507.67
775		- 1470	5	0	-39.181	0	-9.301	0	-1507.67
776	3	M156	1		-36.846	Ŏ A	6.071	0	-1507.771 -1400.000
777	. 90%	a telesco (a reconstante de	2	0	-39.108	0	6.071	0	-1439.033
778	1986	KARPERSON	3		-41.371	0	6.071	Ō	-1366.2
779			4	0	-43.633	00	6.071	0	-1289.271

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

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	LC	Member Label	Sec	Axial[k]	y Shea	z Shear[k]	Torque[k-ft]	y-y Moment	. z-z Moment[k-ft]
780		\$100 a.J. \$100	5	0	-45.896	<u> 0</u>	6.071	0	-1208.248
781	3	M157	1	0	-45.896	0	-6.493	0	-1208.245
782	S.F	多数数数	2	0	-48.158	0	-6.493	0	-1123.127
783	·		3	0	-50.421	0	-6.493	0	-1033.913
784			4	0	-52.683	0	-6.493	0	-940.604
785			5	0	-54.946	0	-6.493	0	-843.2
	3	M158	1	0	-54.117	0	1.812	- 0	-843.367
787			2	0	-55.768	0	1.812	0	-770.786
788			3 📑	0	-57.419	0	1.812	0	-696.022
789			4	0	-59.071	0	1.812	0	-619.078
790	30		5	×0%5	-60.722	14 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.812	0	-539.951
	3	M159	1	0	-60.722	0	-2.286	0	-539.949
792	64		~ 2	0	-62.373	0	-2.286	0	-458.642
793			3	0	-64.025	0	-2.286	0	-375.153
794			4	0	-65.676	0 -	-2.286	0	-289.482
795			5	0	-67.327	0	-2.286	0	-201.63
796	3	M160	1 3 3	0	-67.925	Ō	0	0	-201.853
797	, Cyn;	NOTE OF THE PROPERTY OF THE PR	2	0	-68.829	0	0	0	-152.372
798			3	0	-69.734	0	0	0	-102.236
799			4	0	-70.639	0	0	0	-51.445
800			5	100 000	-71.543	0 -	0	0 : -1	0
	3	M161	1		69.039	0	0	0	0
802	25 A.S.	Section 2015	2		68.142	0	0	0	-49.214
803		Acceleration of the control of	3		67.245	0	0	0	-97.784
804	S		4		66.348	0	0.0	0	-145.711
805	_		5		65.451	0	0	0	-192.994
806	3	M162	6 % 1		64.995	0	2.517	<u> </u>	-192.769
807	0.0070	A. A. C	2		63.201	0	2.517	0	-284.75
808	534	- 1721 1741 12 AND 16 AL	3		61.407	<u> </u>	2.517	Ō	-374.157
809	Seesal	grand former and a supplier color for the	4		59.614	0	2.517	0	-460.989
810	_	N4400	5	<u> </u>	57.82	0	2.517	0	-545.248
811	3	M163	1	0	57.82	0	-2.019	0	-545.25
812	530°-	4 - A - A - A - A - A - A - A - A - A -	2		56.026	Ó	-2.019	0 -	- <u>626.935</u>
813	100.00	Marka Acadesia arawa a a a a	3		54.232	<u> </u>	-2.019	0	-706.045
814	5.4	Y	4		52.439		-2.019		-782.582
815	2	84464	5 1		50.645	0	-2.019	0	-856.544
816	<u>ა</u>	M164	2		51.896	0	6.438	<u> 0 </u>	-856.376 -947.453
817	00442		3		49.654	0 0	6.438	0	
818	- 22/3	Las and services and professional			47.411 45.460		6.438		-1034.508 1117.543
819 820		1474504364864	<u>4</u> 5		45.169 42.927	0 0	6.438 6.438	0	-1117.542 -1196.553
821		M165	1		42.927 42.927	0	-6.004	0	-1196.555
822	<u> </u>	IVI TOO	2		42.927 40.685	0	-6.004 -6.004	0	-1196.333
823			3		38.443	0	-6.004	0	-1271.545 -1342.512
824	(8)	01500 CASSA (SSA)	4	0	36.2	0	-6.004 -6.004	0	-1342.312 -1409.458
825			5		33.958	0	-6.004 -6.004	0	-1472.381
826	3	M166		0	36.67	0	9.014	0	-1472.27
827	<u>-</u>	IVI IOO	2		34.428	0	9.014	0	-1536.037
828	23/		3		32.186	0	9.014	0 0	-1595.782
829		compression and analysis and the first of the	4		29.944	0	9.014	0	-1651.505
830	350		5		27.702	0	9.014	0	-1703.206
831	3	M167	1		27.702	0	-8.698	0	-1703.207
832		10101	2		25.459	0	-8.698	0	-1750.886
833		Commence of the process of the proce	3		23.217	0	-8.698	0	-1794.543
834	5 × 2		4		20.975	0	-8.698	0	-1834.178
835	20 10		5		18.733	0	-8.698	0	-1869.791
836	3	M168	, j		22.368	ŏ	10.471	Ŏ	-1869.736
		TALLOO	p. v [50000 \$400]	ers. Virginian,		Company Company (Company)			

: Calderwood Engineering : Eric Calderwood

: 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

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	10	Member Label	Sec	ΔνίαΙΙΝ	y Shea	z Shear[k]	Torquett #1	y-y Moment	. z-z Moment[k-ft]
837	LO		2	AXIBILKI 0	20.126		10.471	0	-1907.848
838	120	194508.85508	3	0	17.884		10.471	0	-1941.938
	1043		†···						-1972.007
839	1 (24)		4	0	15.642		10.471	0	
840		54400	5	0	13.4	0	10.471	0	-1998.053
841	3	M169	1	0	13.4	0	-10.307	0	-1998.054
842	3.40		2	0	11.157	0	-10.307	0	-2020.078
843	A 40 C 200		3	0	8.915	0	-10.307	0	-2038.081
844			4	0	6.673	0	-10.307	0	-2052.061
845			5	0	4.431	00	-10.307	0	-2062.02
846	3	M170	- 1	0	8.488	ve to 0 %	10.867	0	-2062.004
847			2	0	6.246	0	10.867	0	-2075.218
848	Ξ×		310	0	4.003	0.20	10.867	2 - 0 2 c	-2084.411
849			4	0	1.761	0	10.867	0	-2089.581
850		A Contract of the contract of	5	0	481	0	10.867	0	-2090.729
851	3	M171	1	0	481	0	-10.874	0	-2090.729
852	300		2	0 -	-2.723	0	-10.874	Ō	-2087.856
853			3	0	-4.965	0	-10.874	0	-2080.96
854	333		Ž.	Ŏ	-7.207	Ŏ	-10.874	Ŏ	-2070.043
855	12000		5	0	-9.45	0	-10.874	0	-2055.103
856	3	M172	ĭ	Ö	-5.406	Ö	10.229	0	-2005.103
857	J.	IVIIIZ	2	0	-7.649	0	10.229	0	-2043.413
858	353	New Yorks	3	0	-7.049 -9.891	0	10.229	0	-2043.413 -2027.682
	(E.95)(6	11 (25) 468 435 1 (23) 4 (23)			-12.133		10.229	_	
859	5-115	la value esti establicado	4	0		0		0	-2007.929
860	^	34470	5	0	-14.375	0	10.229	0	-1984:155
861	3	M173	1	0	-14.375	0	-10.404	0	-1984.154
862	250	3.0129ks - 194,4990	2	0	-16.617	0	-10.404	0	-1956.357
863	47.5	AND SERVICE OF SOME SERVICES	3	0	-18.86	0	-10.404	0	-1924.539
864	200		4	0	-21.102	0	-10.404	0	-1888.698
865			5	0	-23.344	0	-10.404	0	-1848.836
866	3	M174	1	0	-19.755	0	8.546	0	-1848.895
867			2	0	-21.998	0	8.546	0	-1811.448
868			3	0	-24.24	0	8.546	• 0	-1769.978
869			4	0	-26.482	0	8.546	0	-1724.487
870	꽳		5	0	-28.724	0	8.546	0	-1674.974
871	3	M175	1	0	-28.724	0	-8.872	0	-1674.973
872		1. (2. 1. A. A. H. H. 1. C. 1.	2	0	-30.966	0	-8.872	- 0	-1621.438
873			3	0 .	-33.208	0	-8.872	0	-1563.881
874	1877 1877		4	0	-35.451	0	-8.872	0	-1502.303
875			5	0	-37.693	0	-8.872	0	-1436.702
876	3	M176		ŏ	-35.075	Ŏ	5.775	ŏ	-1436.818
877	_	,	2	Ö	-37.317	Ö	5.775	0	-1371.891
878	Approx.	775 F9245 6275 40	3	. Ŏ	-39.559	ŏ	5.775	Ŏ.	-1302.942
879	10, 21,	a capacitation and a second	4	0	-41.802	0	5.775	0	-1229.971
880			5	0	-44.044	0	5.775	0	-1152.978
881	3	M177	1	0	-44.044	0	-6.215	0	-1152.976 -1152.976
	3	IVIIII	2	.0	-46.286	0	-6.215 -6.215	0	-1071.961
882	persi:				-48.528				
883			3	0		0	-6.215	0	-986.925
884	27 Q3X	La grada de Santa de Santa de Calabrata de C	<u> </u>	0 0	-50.77	0	-6.215	0	-897.866 -804.700
885		33333342	5	0	-53.013	0	-6.215	0	-804.786
886	3	M178	1	0	-51.912	0	1.708	<u>0</u>	-804.958
887	9 2000	** 1988 1988 1988 1988 1988	2	0	-53.549	0	1.708	0	-735.923
888	\$30°		3		-55.185	0	1.708	0	-664.746
889			4	00	-56.822	0	1.708	0	-591.426
890	537		5	0.00	-58.458	0	1.708	0	-515.964
891	3	M179	1	0	-58.458	0	-2.208	0	-515.962
892		图图图 图图图	2	0	-60.095	0	-2.208	0	-438.357
893	[·]		3	0	-61.731	0	-2,208	0	-358.61

Calderwood Engineering Eric Calderwood 053-br-12 ER-BRF 015-1(23)

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	LC	Member Label	Sec		y Shea.	z Shear[k]			
894		WCMBC Laber	4	0	-63.368	. Z Silealiki	-2.208	y-y Moment. O	z-z Moment[k-ft]
895			5	0	-65.004		-2.208	0	-276,721 -192,689
896		M180	300 j 300	0	-65.456		0	0	-192,009
897			2	0	-66.352	0	0	0	
898		148 F3 (50) 7 (2 mg)	3	Ö	-67.249		O -	0	-145.649
899			4	0	-68.145	0	0	0	-97.742 40.403
900			5 5	0	-69.042	0	Ŏ	0	-49.193
901	3	M181	1	0	64.427	0	0	0	0
902	100		2	0	63.638		0	0	0
903		140-240-240-440-440-440-440-440-440-440-4	3	0	62.849		·		-45 528
904	5.87		4	0	62.06		0	0	-90.494
905		Missing and Control of the Asset of the Asse	5	0	61.27		0	0	=134.9
906	2	M182	0.001	0.5	60.903	0	0 007	0	-178.744
907	- O -	IVITOZ					2.387	Ŏ	-183.427
908	EST.		<u>2</u> 3	0	59.325		2.387	0	-268.909
909		North Complete Williams		0	57.746		2.387	<u> </u>	-352.147
910		COMMENCE OF THE	<u>4</u> 5	0	56.168	0	2.387	0	-433.14
911	3	1400		0	54.59	0	2.387	0 0	-511.889
	3	M183	1	0	54.59	0	-1.871	0	-511.891
912 913	25/27/2		2	0	53.011	<u>o</u>	-1.871	0	-588.396
914	4977.5	score) je rožinikoji bija ili bila ur	3	0	51.433	0	-1.871	0	-662.656
	\$ 65°	337-927-938-27-9-838-27-	4	0	49.854	0	-1.871	0	-734.671
915	2		5	0	48.276	0	-1.871	0	-804.442
916	3	M184 ≪	2 3 1 2 3 3	0	48.412		6.073	0	-808.827
917	diser.		2	0	46.439	0	6.073	0	-893.125
918	9500		3 🐬		44.466	<u>O</u>	6.073	0	-973.917
919	350	sa sistemas area standing near	4	0	42.493	0	6.073	0	-1051.201
920		14405	. 5	0	40.52	0	6.073	0 · · ·	-1124.979
921	3	M185	1	0	40.52	0	-5.625	00	-1124.981
922	SF.	A SERVICE SERVICE A	2	0	38.547	0	-5.625	0	-1195.251
923	200843	TOMORAN WENT AND THE MENT	3	0	36.574	0	-5.625	00	-1262.014
924	\$35X		4	0	34.601	0	-5. <u>625</u>	0	-1325.27
925	W_0.12		5	0	32.627	0	-5.625	0	-1385.019
926	3	M186			33.933	0	8.49	0 0	-1388.51
927	.ic.win ke		2	0	31.96	0	<u>8.4</u> 9	0	-1447.071
928	300		3		29.986	0	8.49	0	-1502.126
929			44		28.013	0	8.49	0	-1553.674
930	135		5	0	26.04	0	8.49	0	-1601.714
931	3	M187	1	0	26.04	0	-8.166	0	-1601.716
932			2	0	24.067	0	-8.166	0	-1646.249
933	_		3		22.094	0	-8.166	0	-1687.276
934			4	0	20.121	0	-8.166	0	-1724.795
935			5	0	18.148	0	-8.166	0	-1758.807
936	3	M188	1/201/2018	0	20.4	- 0	9.849	0	-1761.034
937			2	0	18.427	0	9.849	0	-1795.542
938	38.13	的政治等的程度	- 3	0	16.454	0	9.849	0	-1826.543
939			4		14.481	0	9.849	0	-1854.037
940			5		12.508	0	9.849	0	-1878.024
941	3	M189	11		12.508	0	-9.681	0	-1878.025
942		· 集成。 (1.5)	2		10.535	0 2 2	-9.681	Ŏ	-1898.505
943			3		8.562	0	-9.681	0	-1915.478
944	(v)		4		6.589	Ö	-9.681	Ŏ	1928.944
945			5		4.616	0	-9.681	0	-1938.902
946	3	M190	1		7.446	Ŏ	10.211	0	-1930.902
947	-		2		5.472	0	10.211	0	-1951.115
948	Ed S		3		3.499	0	10.211	0	-1951.118
949			4	0	1.526	0	10.211	0	
950	135	400288003	5	ő	447	0	10.211	0	-1963.555 1064-545
المحر			na 20 √ 450 € 51 54	U.W. and	_ 	<u> </u>	1U,Z [-[::]:		-1964:515

: Calderwood Engineering : Eric Calderwood : 053-br-12 ER-BRF 015-1(23)

Jamaica Vermont

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	LC	Member Label	Sec	Axial[k]	y Shea	z Shear[k]	Torque[k-ft]	y-y Moment	. z-z Moment[k-ft]
	3	M191	1	0	447	0	-10.217	0	-1964.515
952	30%	A SAST OF	2	0	-2.42	0	-10.217		-1961.967
953			3	0	-4.393	0	-10.217	0	-1955.913
954			4	0	-6.366	0	-10.217	0	-1946.351
955			5	0	-8.339	0	-10.217	0	-1933.283
956	3	M192	5 6 1 5	0	-5.532	0	9.607	0	-1932.442
957			2	0	-7.506	0	9.607	0	-1920.854
958			3	0	-9.479	0	9.607	0	-1905.759
959			4	0	-11.452	0	9.607	0	-1887.158
960	\$ A &		5		-13.425	0	9.607	0	-1865.049
	3	M193	1	0	-13.425	0	-9.787	0	-1865.048
962			2	0	-15.398	0	-9.787	0	-1839.432
963			3	0	-17.371	0	-9.787	0	-1810.309
964		27.00	4	0	-19.344	0	-9.787	0	-1777.679
965			5	0	-21.317	0	-9.787	0	-1741.542
	3	M194	Separation of		-19.124	0	8.023	0	-1739.217
967			2	0	-21.097	0	8.023	0	-1703.47
968	NO.		3	0 ∜	-23.07	0	8.023	0	-1664.217
969			4	0	-25.043	0	8.023	0	-1621.456
970	X		5	0	-27.016	0	8.023	0	-1575.188
	3	M195	1	0	-27.016	0	-8.357	0	-1575.187
972		st. Windrick St.	2	0	-28.989	0	-8.357	0	-1525.412
973			3	0	-30.962	0	-8.357	0	-1472.13
974	38.00		4	0	-32.935	0	-8.357	0	-1415.341
975			5	0	-34.908	0	-8.357	0	-1355.045
976	3	M196	1	0	-33.667	0	5.409	0	-1351.478
977			2	0	-35.64	0	5.409	0	-1289.882
978	14	recessors of the two	3	0.	-37.613	0	5.409	0	-1224.778
979			4	0	-39.586	0	5.409	0	-1156.168
980			5		-41.559	Ō	5.409	O S	-1084.05
	3	M197	1	0	-41.559	0	-5.864	0	-1084.048
982	34	18, 30.15 (F) (F)	2	0	-43.532	0	-5.864	0	-1008.424
983			3	0	-45.505	0	-5.864	0	-929.292
984			4	0 ₹	-47.478	0	-5.864	0	-846.654
985			5	0	-49.451	0	-5.864	0	-760.508
986	3	M198	1	0	-49.401	0	1.581	0	-756.078
987			2	0	-50.841	0	1.581	0	-691.055
988			3	0	-52.281	0	1.581	0	-624.163
989			4	0	-53.721	0	1.581	0	-555.403
990		1,1,2,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	5		-55.161	Ō	1.581	Ö	-484.775
991 3	3	M199	1	0	-55.161	0	-2.098	0	-484.773
992			2		-56.601		-2.098	Ö	-412.277
993	T		3		-58.041	0	-2.098	0	-337.913
994		CONSCIPACION NO S	4		-59.481	0	-2.098	Ŏ	-261.68
995			5	· · · · · · · · · · · · · · · · · · ·	-60.921	0	-2.098	0	-183.579
996	3	M200	1		-61.358	0	0	Ŏ	-178.903
997			2	0	-62.146	0	0	Ō	-135.018
998			3		-62.935	Ö	0	Ö	-90.573
999	T		4		-63.724	0	0	0	-45.567
1000	52 P		5		-64.513	Ö	0	Ŏ	0